



Quality Assurance

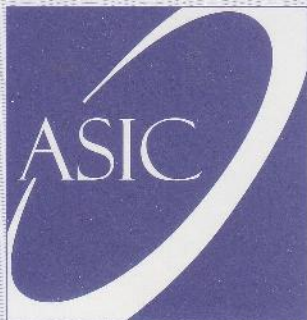


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Academic
Administrative
Audit
2016-17



ACCREDITATION SERVICE
for
INTERNATIONAL COLLEGES

CERTIFICATE OF ACCREDITATION

This is to certify that

THE NORTHCAP UNIVERSITY

HUDA Sector 23A, Gurgaon, 122017, India

is accredited by

Accreditation Service for International Colleges (ASIC) as a

PREMIER UNIVERSITY

Period of Accreditation: 1st December 2016 – 30th November 2020

Accreditation No: AS53166/0412

THE NORTHCAP UNIVERSITY has been awarded commendable grades in the following areas:

- | | |
|---|--------------------------------------|
| A. Premises and Health & Safety | B. Management and Staff Resources |
| C. Learning and Teaching; Course Delivery | D. Quality Assurance and Enhancement |
| E. Student Welfare | G. Marketing and Recruitment |

Chief Executive

Head of Accreditation

Accreditation Manager

21/02/2017

Date

ASIC House, 13 Yarm Road, Stockton-on-Tees, TS18 3NJ
Tel: +44 (0)1740 617 920 Fax: +44 (0)1740 617 929 Web: www.asic.org.uk
E-mail: info@asic.org.uk

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Pre-assessment qualification of NABL

NPF 1
1 of 4

PRE-ASSESSMENT CHECKLIST

Laboratory: <i>NEUTE GURGAON.</i>		Date(s) of Visit: <i>30/9/2016</i>	
Sl.	Requirement	Observation*	
		Yes	No
1.	Review of Application Form(s)		
	▪ for correctness of contents	<input checked="" type="checkbox"/>	
	▪ for Scope of accreditation		<input checked="" type="checkbox"/>
Comments on Application Form: <i>Scope needs improvement in respect of Range of testing, Estimation of MU.</i>			
2.	Management System Documentation		
	▪ Adequacy of Quality Manual – cross-reference to Procedures and other documents		<input checked="" type="checkbox"/>
	▪ Availability of all required cross-referenced Procedures (list enclosed)		<input checked="" type="checkbox"/>
	▪ Availability of other documents like Standards, Codes, Calibration/ Test methods, Operating Instructions etc. (list enclosed)	<input checked="" type="checkbox"/>	
	▪ Availability of NABL documents (list enclosed)	<input checked="" type="checkbox"/>	
Comments on Management System Documentation: <i>The requirement of Doc. Control, outlining of structure of MS documented (especially - the Quality System procedures) need improvement.</i>			
3.	Management System Implementation (sample audit)		
	▪ Availability of relevant documents at place of work	<input checked="" type="checkbox"/>	
	▪ Are procedures being followed	<input checked="" type="checkbox"/>	
	▪ Awareness of Management System and NABL requirements	<input checked="" type="checkbox"/>	
Comments on Implementation and effectiveness of Management System: <i>Generally satisfactory except Quality system procedures.</i>			

* Mark ✓ in the appropriate box

National Accreditation Board for Testing and Calibration Laboratories			
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Sl.	Requirement	Observation*	
		Yes	No
4.	Internal Audit		
	▪ Availability of Audit Procedure	✓	
	▪ Availability of Audit Plan	✓	
	▪ All requirements of ISO/ IEC 17025: 2005 or ISO 15189: 2007 which ever is applicable, covering all activities of laboratory audited at least once in the last one year	✓	
	▪ Timely corrective action on non-conformities	✓	
	▪ Audit conducted by qualified, trained and Independent personnel	✓	
Comments on effectiveness of Internal Audit: <i>I Audit, conducted by qualified trained external auditors. 2. Some members of NABL checked were discharged within agreed time. Satisfactory!</i>			
5.	Management Review		
	▪ Availability of Management review Procedure	✓	
	▪ All requirements of ISO/ IEC 17025: 2005 or ISO 15189: 2007 which ever is applicable, are incorporated in the agenda of review in the last one year	✓	
	▪ Evidence of at least one Management review	✓	
Comments on effectiveness of Management review: <i>Generally Satisfactory</i>			
6.	Personnel		
	▪ Training programme on ISO/ IEC 17025: 2005 or ISO 15189: 2007 which ever is applicable, organised for laboratory personnel	✗	
	▪ Plan/ Schedule for imparting training to laboratory personnel for the current year		✓
	▪ Suitability of persons authorised to sign test reports/ calibration certificates with reference to the applied scope	✓	
Comments on Personnel and Training: <i>* In house training only. No training plan.</i>			

* Mark ✓ in the appropriate box

National Accreditation Board for Testing and Calibration Laboratories				
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Sl.	Requirement	Observation*	
		Yes	No
7.	House keeping and Environmental conditions		
	▪ Does the laboratory demonstrate adequate house keeping	✓	
	▪ Maintenance of necessary environmental conditions (sample audit)	✓	
Comments on General House keeping: <i>Good & well maintained.</i>			
8.	Equipments/ Reference Standards		
	▪ Availability of equipment commensurate with the scope applied for	✓	
	▪ Availability of Calibration Schedule	✓	
	▪ Availability of CRMs with respect to scope applied for	NA	
	▪ Traceability established as per NABL policy	✓	
	▪ Intermediate Checks		✓
	▪ Maintenance Schedule – maintenance check-list		✓
Comments on Equipments/ Reference Standards: <i>No intermediate checks of equipments. NO maintenance schedule.</i>			
9.	Evidence of estimation of Uncertainty of measurement		
	▪ Preliminary check whether the laboratory has taken any action regarding estimation of Uncertainty in measurement	✓	
	▪ Ranges covered for all Products/ Parameter/ measured quantity for all disciplines	✓	
Comments on Uncertainty of measurement: <i>Satisfactory.</i>			

* Mark ✓ in the appropriate box

National Accreditation Board for Testing and Calibration Laboratories			
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Sl.	Requirement	Observation*		
		Yes	No	
10.	Proficiency Testing and Internal Quality Control			
	<ul style="list-style-type: none"> Participation in at least one Proficiency Testing programme and corrective action taken, if any, on the PT results 		<input checked="" type="checkbox"/>	
	<ul style="list-style-type: none"> Availability of 4-year Proficiency Testing plan covering all groups under each discipline of Accreditation 		<input checked="" type="checkbox"/>	
	<ul style="list-style-type: none"> Is the Quality Control programme extensive and cover the product/ test range being tested/ calibrated 			
	<ul style="list-style-type: none"> Does the laboratory retain samples for quality checks 	<input checked="" type="checkbox"/>		
	<ul style="list-style-type: none"> Where P.T. Programmes are not readily available, has the laboratory attempted interlaboratory comparisons on its own 	<input checked="" type="checkbox"/>		
	Comments on Proficiency Testing and Internal Quality Control: <i>No PT Plan (4 years) No Participation in PT so far.</i>			
11.	Discussions with the Laboratory on Final Assessment			
	<ul style="list-style-type: none"> Overview of the methodology to be adopted 	<input checked="" type="checkbox"/>		
	<ul style="list-style-type: none"> Task/ role of Lead Assessor, Technical Assessor(s) and Observers 	<input checked="" type="checkbox"/>		
	<ul style="list-style-type: none"> Obligations of the laboratory 	<input checked="" type="checkbox"/>		
	Record any special discussion: <i>Explained in detail.</i>			

* Mark ✓ in the appropriate box

J. M. M. / 20/09/16

National Accreditation Board for Testing and Calibration Laboratories				
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.NON-CONFORMITIES OBSERVED DURING PRE-ASSESSMENT

Laboratory: <u>NEVTC Gurgaon.</u>		Date(s) of Visit: <u>30/09/2016</u>
Sl.	Non-conformity	Remarks
1.	Scope of accreditation need improvement in respect of Range of Testing MU values claimed.	This will be done as pointed out by the assessor.
2.	Quality Manual needs improvement in respect of clause 4.2.5, 4.3 (control of documents) especially numbering of documents.	Suggestion well received and shall be implemented
3.	No Plan/schedule for imparting training to personnel.	Plan shall be formulated for long term training.
4.	No Maintenance schedule, and no intermediate checks for equipments	It will be formulated and intermediate checks will be done
5.	No 4 years PT Plan. No PT Participation to ISO 9001.	We will draw the 4 year PT Plan & Laboratory will also participate in PT
Signature/ Name of Authorised Personnel of Lab. & Date <u>Anita Jais</u> 30/9/2016		Signature/ Name of Lead Assessor & Date <u>Pradeep K. Mehta</u> 30/9/16

Note: Use additional sheets of this form, if required

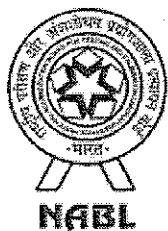
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PRE-ASSESSMENT REPORT

Laboratory: <i>NCUTC Gurgaon.</i>	
Quality Manager: <i>Mr. S.K. Jain.</i>	Date(s) of Visit: <i>30/09/2016</i>
Field: <i>Testing/ Calibration/ Medical</i>	Discipline(s): <i>Mechanical.</i>
Applicable Standard: <input checked="" type="checkbox"/> ISO/IEC 17025: 2005	<input type="checkbox"/> ISO 15189: 2007
Persons Contacted: <i>Mr. S.K. Jain (QM), Ms. Megha Kalia (TM) & Dr. Anshu Solvastara, Head Laboratory</i>	
Corrective action taken on the adequacy report	Yes/No
Latest version of Quality Manual-issue no. & date -amend no. & date	<i>Issue no. 1 dtd 15/02/14 Amend no. 17 dtd 29/7/16</i>
Submission of NABL 131 (Terms & Conditions)	<input checked="" type="checkbox"/> Submitted earlier/ <input type="checkbox"/> Enclosed/ <input type="checkbox"/> Not submitted
No. of Non-conformities during Pre-assessment	<i>Five.</i>
Summary of Pre-Assessment: <i>The lab needs to closed all the NCRs before fixing date for final assessment especially the participation in at least one PT Programme.</i>	
Recommendations of Time Estimation and Readiness of Laboratory:	
▪ Number of Assessors required, discipline wise, as per scope of accreditation	<i>LA-1 TA(Mech.)-1</i>
▪ Number of audit days required	<i>Two</i>
▪ Whether the Assessment is required to be split based on locations of laboratory or number of fields/ departments. If yes, elaborate	<i>Yes/ No</i>
▪ Is the Laboratory ready for Assessment. If no, specify estimated time for taking corrective actions	<i>Yes/ No, About 50 days.</i>
▪ Any specific recommendations:	<i>Nothing specific except above.</i>
Signature/ Name of Authorised Personnel of Lab. & Date <i>Anshu Solvastara 30/9/2016</i>	Signature/ Name of Lead Assessor & Date <i>Jamal Kalia 30/9/16 P.K. Meena</i>

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NABL Assessment



राष्ट्रीय परीक्षण और अंशशोधन प्रयोगशाला प्रत्यायन बोर्ड

NATIONAL ACCREDITATION BOARD FOR TESTING & CALIBRATION LABORATORIES

सचिवालय : प्लॉट नं. - 45, सेक्टर नं. - 44, गुडगांव - 122 002, हरियाणा, भारत

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02/11/2016

NABL / T-3337

To,

Dr. Amit Srivastava

The NorthCap University Testing Centre, NCUTC

HUDA Sector-23A, Gurgaon-122017, Haryana, India

Landline No(s): 124-2365811

Mb: 0-9643015755

Email-Id: ncutc@ncuindia.edu

Sub: Final - Assessment of your Conformity Assessment Body.

Dear Dr. Amit Srivastava,

I would like to inform you that the on-site assessment of your CAB in the field of Testing will be conducted as per the schedule given below:

Name & Contact Details	Capacity	From Date - To date	Field(s) of Expertise
Mr. B R Meena (Ex-National Test House, Ghaziabad), C-115, ANANDVIHAR JAGATPURA JAIPUR -302017, Rajasthan, India Email ID : meena_br52@yahoo.com Mobile No(s) : 0-9829395663	LA & TA	24/12/2016-25/12/2016	Testing- Mechanical
Mr. J M Bhatnagar (Central Building Research Institute) 651/37 Ganga Enclave, Sainik Colony, Roorkee - 247667 Distt. Haridwar, Haridwar, Uttaranchal, India Email ID : jmb47in@yahoo.com Landline No(s) : 1332-272235 Mobile No(s) : 0-9897074266 Fax No(s) : 1332-272272	TA	24/12/2016-25/12/2016	Testing- Mechanical

You are required to send the latest copy of the Quality manual to all above assessors in advance to enable them to prepare for the assessment.

I will appreciate if you contact with the team members, arrange travel tickets & make local arrangements (transport and accommodation) and keep me informed.


02/11/2016

Other payments like honorarium, local allowance etc. shall be paid by NABL to the above team members. Kindly note that CAB is not required to make any payments directly to the team members. The expenditure incurred for this assessment will be charged to the CAB as per NABL rules.

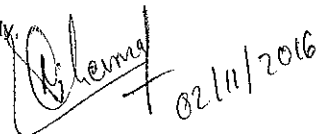
I am enclosing form 45 for sending feedback information for each assessor, in confidence to the undersigned.

Kindly confirm the acceptance of the assessment team and dates.

Remarks:

Yours Sincerely,

Neeraj Verma

Handwritten signature of Neeraj Verma and the date 02/11/2016.

Note - Assessment team is requested to review all the documents and records supplied by NABL and CAB in advance and in Case of gross anomalies, please inform NABL.

ASSESSOR'S OBSERVATIONS

Laboratory: NORTHCAP University Testing Centre, Gurgaon		
Date: 24-25 Dec.2016	Department: Management Requirements	Activity Assessed: Organisation
Auditee: Mr. S.K. Jain Dr. Amit Srivastava Ms. Megha Kalra	Education: MSc. Ph.D. M.E. Geotech. Ph.D M.Tech Structural Engg.	Years of Experience: 20 Yrs 6 Yrs 3Yrs 3 Months
SL	OBSERVATION	REMARKS
1.	<p><u>Organisation</u></p> <p>NORTHCAP UNIVERSITY TESTING CENTRE (NCUTC) is a unit of NORTHCAP UNIVERSITY (NCU) Gurgaon, which is a Registered Society, register under Indian Society Act of 1860 vide Registration no.8-4/2010 (CPP-I/PU). The Management System of the testing centre covers the work carried out at its permanent facility. The testing personnel of NCUTC are independent and not having any involvement in other activity of NCU. The organisation structure of NCUTC is given at page 13/54 of the Quality Manual. Mr. S.K. Jain and Ms. Megha Kalra have been appointed as Quality Manager & Technical Manager respectively. The Quality Manager is an approved NABL Accessor and reporting directly to the top management / director NCUTC.</p>	The organisational structure is Generally Satisfactory.
2.	<p><u>Management System</u></p> <p>The CAB has established a well-documented Management System. Quality Policy and Objectives are defined in document no. NCUTC/CV/4.1.5/Folder no.-7. The Quality Policy statement covers all the requirements of clause 4.2.2 of ISO/IEC - 17025:2005. The roles and responsibilities of Technical Management and the Quality Management are defined at page 42-43 / 54 of the Quality Manual.</p>	Satisfactory
3.	<p><u>Document Control</u></p> <p>The Management System documents have been classified in four levels. The authorities for Review and Approval of documents have been defined in the Quality Manual. The altered or new text in the documents are identified by the management by typing the same in "italic" fonts. The authority for making hand corrections / amendments to the documents is resting with The Director NCUTC only.</p> <p>However the procedure for the Document Control has not been documented by the CAB. The system of assigning Unique Identification no. to the Management System documents is also not defined in Quality Manual.</p>	Major NC no. BR-01 raised.
4.	<p><u>Review of Request Tender and Contracts</u></p> <p>The procedure for Review of Request Tender and Contracts has not been documented in adequate detail. The Reviews of the Requests received from the customer are not effective. The records of review and the discussion if any held with the customer are also not maintained.</p>	NC no.BR-02 raised
5.	<p><u>Subcontracting of Tests</u></p> <p>As per the policy decision of the NCUTC, it does not subcontract any of its testing work to the outside agencies.</p>	Not Applicable

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6.	<p><u>Purchasing Services and Supplies</u></p> <p>The Policy and Procedure for purchasing of services and supplies are documented in adequate detail in document no. NCUTC/CV/4.6.1/ DOC#7. The procedure for purchase covers all the requirements of clause 4.6 of ISO17025:2005.</p> <p>However the laboratory has scope for improvement in respect of evaluating the performance of the suppliers of critical consumable, supplies and services and also in maintaining the records of these evaluations.</p>	<p>Satisfactory</p> <p>Observation for making improvements</p>
7.	<p><u>Service to the Customer</u></p> <p>The requirement of “the laboratory’s willingness to cooperate with the customer in clarifying its request and in allowing to monitoring the laboratories performance in relation to the work profound for it” has scope for improvements.</p> <p>The feedbacks received from the customer are required to be analysed by the CAB.</p>	<p>Observation</p>
8.	<p><u>Complaints</u></p> <p>The procedure for resolution of complaints is not documented in adequate detail.</p> <p>As per the records of the testing centre, no complaint is received so far</p>	<p>NC no. BR-03 raised</p>
9.	<p><u>Control of Nonconforming Testing Work</u></p> <p>No procedure for Control of Nonconforming Testing Work. However the requirements have been addressed in sufficient detail covering all the requirements of clause 4.9.1 and 4.9.2 in the quality manual itself.</p>	<p>Satisfactory</p>
10.	<p><u>Corrective and Preventive Actions</u></p> <p>The procedure for Corrective and Preventive actions has not been documented. However the requirements have been documented in sufficient detail covering all the requirements of clause 4.11 and 4.12 in the quality manual.</p>	<p>Satisfactory</p>
11.	<p><u>Control of Records</u></p> <p>The procedure for identification, collection, indexing, access, filing, storage, maintenance and disposal of quality and technical records has not been documented.</p> <p>However the records of internal audits, management reviews and also the records of original observation derive data and sufficient information to establish an audit trail are maintained well in controlled documents.</p>	<p>NC no. BR-04 raised</p> <p>Satisfactory</p>
12.	<p><u>Internal Audits</u></p> <p>Internal audits are conducted once in a year. Last Internal Audit was conducted by a Qualified, Trained External Auditor on 30th April 2016, covering all the elements of management system including testing. The nine nos of nonconformities raised during the Internal Audits were discharged within the agreed time.</p> <p>However no annual schedule / plan for conducting Internal Audits have been prepared.</p>	<p>Satisfactory</p> <p>Observation for improvement</p>
13.	<p><u>Management Reviews</u></p> <p>Management reviews are also conducted once in a year. Last management review was conducted by The Director covering all the agenda items on 13th May 2016. The meeting was attended by Prof. Ravinder Ojha, Director School of Engg. & Technology, Prof. S.K. Jain, Quality Manager, Dr. Amit Srivastava, Head, Deptt. of C&EE, Ms. Megha Kalra, Technical Manager. The minutes of the meeting have prepared in sufficient detail.</p>	<p>Generally Satisfactory</p>

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14.	<p><u>Personnel</u></p> <p>Personnel are qualified experienced and trained. The management of the laboratory has formulated the goals with respect to the education, training and skill of the laboratory personnel. The responsibilities of head of the laboratory , technical manager and quality manager are assigned to the associated to the professor, assistant professor keeping above requirements in mind. The minimum qualification for the technical engineer is B.E./B.Tech in civil engineering. The current job description of the personnel is given at clause no.5.2.4 (page no. 41 of 54) of the quality manual.</p> <p>However the authorization to the personnel to perform particulars types of tests and to operate particulars types of equipment has not been issued by the management.</p>	<p>Generally Satisfactory</p> <p>NC raised by TA (Mech)</p>
15.	<p><u>Accommodation and Environmental Conditions</u></p> <p>The accommodation for performing the different test activities are spacious and well planned. The temperature and relative humidity are well controlled in cement testing laboratory. The lab is also having controlled temperature bath for curing of Cement Mortar Cubes and CC Cubes.</p>	<p>Generally Satisfactory</p>
16.	<p><u>Equipment and Traceability</u></p> <p>All equipment of required range and accuracy with valid calibration traceable to SI Units are available. However the operational records of all major equipment are not maintained. Records of intermediate checks are also not maintained.</p>	<p>NC raised by TA (Mech)</p>
17.	<p><u>Sampling</u></p> <p>The sampling is not in the scope of activities of the laboratories.</p>	<p>NA</p>
18.	<p><u>Handling of Test Items</u></p> <p>The procedure for receipt, handling, protection, retention and disposal of test items is not followed properly as the different type of test items received from the same customer are given same identification no.</p>	<p>NC raised by TA (Mech)</p>
19.	<p><u>Assuring the Quality of Test Results</u></p> <p>No participation in any of the PT Programs so far. The replicate and repeat test of retained samples are not conducted as per the guidelines of NABL-107. No records of repeat / replicate testing.</p>	<p>NC raised by TA (Mech)</p>
20.	<p><u>Reporting of Results</u></p> <p>The Test Report formats of the CAB covers all the requirements of clause no. 5.10.2, 5.10.3, and 5.10.7 to 5.10.9</p>	<p>Satisfactory</p>
<p>Mr. B.K.Meena</p> <p>Signature & Name of Assessor</p>		

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SUMMARY OF THE ASSESSMENT

Laboratory: Northcap University Testing Centre, Gurgaon																	
Quality Manager: Mr. S.K. Jain										Date(s) of Visit: 24-25 Dec. 2016							
Type of Visit: <i>Assessment</i>																	
Field : <i>Testing</i>						Discipline(s): Mechanical											
Facility (s): <i>Permanent</i>																	
Lead Assessor: Mr. B.R. Meena						Assessor 1: Dr. J.M. Bhatnagar						Assessor 2: ----					
Date of earlier visit: Sept. 30, 2016						<i>Non-Conformities during earlier visit have been discharged.</i>											
<p>ASSESSMENT SUMMARY: The laboratory has established a well-documented management system. Quality Policy and Objectives are defined in the Quality Manual. Management System Documents have been classified in four levels. The Quality Manager has undergone required training in Laboratory Management. The roles and responsibilities of the managerial and technical personnel are defined in Quality Manual. Purchasing Services and Supplies, Service to the Customer, Control of Nonconforming Testing Work, Corrective and Preventive Actions, Accommodation and Environmental Conditions and Reporting of Results are generally satisfactory.</p> <p>However the laboratory has scope for improvement in respect of Control of Documents and Records, Review of Requests Tenders and Contracts, Resolution of Complaints, Personnel, Equipment, Handling of Test Items and Assuring the Quality of Test Results for which nonconformities have been raised.</p>																	
<p>Assessment Team Comment on compliance of laboratory to:</p> <p>(a) NABL 133 – NA, the laboratory is yet to get NABL accreditation.</p> <p>(b) NABL 142 – Complies, all equipment have been calibrated by NABL accredited / calibration laboratories.</p> <p>(c) NABL 163 – Does not comply, the laboratory is yet to participate in any of the proficiency testing program.</p> <p>(d) NABL 143 (applicable for calibration laboratories only)</p>																	
The requirements of NABL 133 have been explained by the Lead Assessor and understood by the laboratory.																	
Non-Conformities raised during the assessment										MAJOR				MINOR			
										7				3			
<p>RECOMMENDATIONS OF ASSESSMENT TEAM: The Assessment Team recommends grant of NABL accreditation to the lab in Mechanical discipline as per the scope recommended subject satisfactory discharge of all the nonconformities raised during the assessment.</p> <p>The purposed Authorised Signatories are also recommended.</p>																	
Only If accreditation is recommended, date by which the Corrective Action to be taken by the Laboratory for the above Non-Conformities (max. 60 days): _____																	
Enclosures	NAF 6	NAF 5	NAF 4	NAF 3	NAF 3A	NAF 2	NAF 1A	NAF 1	Checklist 1	Checklist 2	Form 71	Form 72/73	Form 74	Form 45	TA/DA Forms	PT/ILC records	Any other Supporting documents
No. of Pages	1	1	10	-			2	1	1 set	1 set	1	1	2	1	2	5	
Please enclose NAFs, checklists, other forms & documents in the above order. Total no. of pages																	
Acknowledgement by Authorised Representative of Laboratory & Date										Signature of Lead Assessor & Date							

National Accreditation Board for Testing and Calibration Laboratories				
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**National Accreditation Board for
Testing and Calibration Laboratories**
(A Constituent Board of Quality Council of India)



CERTIFICATE OF ACCREDITATION

THE NORTHCAP UNIVERSITY TESTING CENTRE

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

HUDA Sector-23A, Gurgaon, Haryana

in the field of

TESTING

Certificate Number TC-5209 (in lieu of T-4402)

Issue Date 08/02/2017



Valid Until 07/02/2019

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL

N. Venkateswaran
Program Director

Anil Relia
Chief Executive Officer



Academic Administrative Audit 2017-18



hands-on experience to the students including practice sessions on different modules of the software. [CEE2017WO002]

Industrial Visit

A site visit was organized by the Department for BTech 2nd and 3rd Year students along with faculty members Mr Shubham Bansal and Ms Purnima Bajpai to ongoing construction sites at Rajiv Chowk, Signature Tower and IFFCO Chowk, the three critical zones on NH8 in Gurugram where 'underpass' and 'flyovers' are being constructed by Gawar Construction Pvt Ltd to decongest the traffic between old and new Gurugram. At Rajiv Chowk students saw the progress of work at Underpass I & IA while Underpass II was recently inaugurated. At Signature Tower the Site Engineer provided technical details of Dowel Bars and reinforcement detailing of Underpass I & Underpass II and explained specifications of the project. Students also visited IFFCO Chowk where they saw the ongoing construction of flyover II and reinforced earth wall. [CEE2017V005]



Guest Lecture

The Department organized an expert session on the 'Role of Project Management and Finance Management' in the Civil Engineering sector by Dr KN Rai, Former Chief Executive (CW&E) and Advisor (Special Projects) DRDO, Ministry of Defence on 20 Sept 2017 for 3rd and Final year students.



Dr Rai shared his experience and expertise in the area of Project Management and the scope of Civil Engineering other than site execution. He focussed on the importance of planning and financial aspects of construction management. The session also included case studies and live examples of several big infrastructure projects. [CEE2017G009]

Externship

Ms Purnima Bajpai, Assistant Professor was on Externship from 11-12 Sept 2017 at Seafaradays India Pvt Ltd, New Delhi, an Offshore Renewable Energy company. The externship provided an understanding of emerging technologies in the renewable energy sector and also about industry requirements. NCU Courses on 'Project Management' and 'Contract Management' were reviewed by industry experts and some revisions were suggested by them. Further, a new course on 'Renewable Energy and Sustainability' was proposed and outline developed and a collaboration between The NorthCap University and Seafaradays India Pvt Ltd was signed. [CEE2017O019]



Internal Audit- NCUTC

The 2nd Internal Audit of NCUTC was conducted by Mr Shiv Charan Huria, Former Manager, NCCBM on 19 Sept 2017. All the managerial and technical requirements were assessed as per ISO/IEC 17025:2005 and NABL Criteria. Technical Engineers tested a sample of OPC-43 and coarse aggregate to check the reproducibility of the results of retained samples. The audit was attended by Prof. Ravindra Ojha, Dr Anil Mishra, Prof. SK Jain, Ms Megha Kalra, Mr Lokesh Choudhary, Mr Rajpal and Mr Sohan Lal. [CEE2017O020]



Board of Studies

The Department's 8th Board of Studies was conducted on 20 September 2017. The meeting was chaired by Prof. Ravindra Ojha and attended by all faculty members of the Department. It was recommended that Major Projects should be shifted to 6th and 7th Sem. [CEE2017O021]



National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



18/12/2017

NABL / T-3337

To,

Dr. Amit Srivastava
The NorthCap University Testing Centre, NCUTC
HUDA Sector-23A, Gurgaon-122017, Haryana, India

Landline No(s): 124-2365811

Mb: 0-9643015755

Email-ID : ncutc@ncuindia.edu

amitsrivastava@ncuindia.edu

Sub: Onsite Surveillance of your Conformity Assessment Body.

Dear Dr. Amit Srivastava,

I would like to inform you that the on-site assessment of your CAB in the field of Testing will be conducted as per the schedule given below:

Name & Contact Details	Capacity	From Date - To date	Field(s) of Expertise
Mr. S Thirumalai Kolundu (National Test House, Chennai) Plot No. 75, Bethel Avenue V G P, Selva Nagar Velachery Chennai -600042, Chennai, Tamil Nadu, India Email ID : tiruyam@gmail.com Landline No(s) : 44-22432374 Mobile No(s) : 0-9381000880 Fax No(s) : 44-22433158	LA & TA	03/02/2018-04/02/2018	Testing- Mechanical
Mr. Prince Garg NABL, Gurgaon, Haryana, India Email ID : prince@nabl.qcin.org Mobile No(s) : 9463213037	OBS	03/02/2018-04/02/2018	Testing- Mechanical


You are required to send the latest copy of the Quality manual to all above assessors in advance to enable them to prepare for the assessment.

I will appreciate if you contact with the team members, arrange travel tickets & make local arrangements (transport and accommodation) and keep me informed.

Other payments like honorarium, local allowance etc. shall be paid by NABL to the above team members. Kindly note that CAB is not required to make any payments directly to the team members. The expenditure incurred for this assessment will be charged to the CAB as per NABL rules.

I am enclosing form 45 for sending feedback information for each assessor, in confidence to the undersigned.

NABL House, Plot 45, Sector 44; Gurugram 122 002, Haryana, India
Tel. No.: +91-124-4679700 (30 lines) • Fax: +91-124-4679799 • Website: www.nabl-india.org


18/12/2017

Kindly confirm the acceptance of the assessment team and dates.

Remarks:

Yours Sincerely,

Neeraj Verma

Handwritten signature of Neeraj Verma in blue ink, with the date 18/12/2019 written below it.


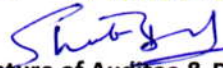
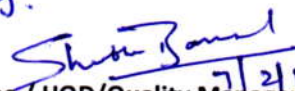

Note - Assessment team is requested to review all the documents and records supplied by NABL and CAB in advance and in Case of gross anomalies, please inform NABL.

Detailed itinerary of NABL team visit includes the following activities			
S.No.	Activity	Time	Presence Required
Activity on 02rd Feb. 2018			
1.	Arrival of Mr. S Thirumalai from Chennai to New Delhi Pickup from IGI to Hotel.	Evening hours	University Vehicle and Taxi
2.	Overnight Stay at Hotel	Dinner + Overnight stay	Mr. Shubham & Mr. Vikash
Day 1 (03rd Feb. 2018)			
3.	Opening meeting in VC Chamber with Mr. S Thirumalai Kolundu and Mr. Prince Garg (Welcome by VC and Introduction of staff, NCUTC)	09:30 AM	VC, DSOET, Prof. S.K. Jain, Ms. Megha Kalra, Mr. Lokesh, Mr. Shubham, Mr. Diptendu, Mr. Rajpal, Mr. SohanLal, Mr. Vikash, Mr. Sanjay
4.	Department and Lab Visit (Workshop Area)	10:00-11:00 AM	Prof. S.K. Jain, Ms. Megha, Mr. Lokesh, Mr. Diptendu, Mr. Shubham, Mr. Rajpal, Mr. SohanLal
5.	Coffee Break in canteen area + Discussion	11:00-11:30 AM	Prof. S.K. Jain, Ms. Megha, Mr. Lokesh, Mr. Diptendu, Mr. Shubham, Mr. Rajpal, Mr. SohanLal
6.	Document Review in RN 003	11:30-01:30 PM	Prof. S.K. Jain, Ms. Megha, Mr. Lokesh, Mr. Sanjay, Mr. Vikash
7.	Lunch Break + Discussion	01:30-02:30 PM	VC, DSOET, Prof. S.K. Jain, Ms. MeghaKalra, Faculty (Civil), Mr. Rajpal, Mr. SohanLal, Mr. Vikash, Mr. Sanjay
8.	Surveillance	02:30-04:00 PM	Prof. S.K. Jain, Mr. Lokesh, Ms. Megha, Mr. Sanjay, Mr. Vikash
Day 2 (04rd Feb. 2018)			
9.	Surveillance	09:30-12:30 AM	Prof. S.K. Jain, Mr. Lokesh, Ms. Megha, Mr. Sanjay, Mr. Rajpal, Mr. Sohan Lal
10.	Lunch Break	12:30-01:30 PM	Prof. S.K. Jain, Mr. Lokesh, Ms. Megha, Mr. Sanjay, Mr. Rajpal, Mr. Sohan Lal
11.	Departure to IGI, New Delhi	01:30 PM	University Vehicle



Academic Administrative Audit 2018-19

FORMAT IA-03 FOR INTERNAL AUDIT

Audit No. : NCU/NCCU/CV/2017/IA-04	Date : 07.02.2019	Auditor : S C Huria
Department / Section : Mechanical Testing	Activity Assessed : Impartiality	Auditee : Mr Shubham Bansal / Mr Diptendu Roy
NC No. : SCH-01	Ref to ISO/ IEC 17025:2017 Clause No. : 8.2.2 & 4.1.2	
DESCRIPTION OF NON-CONFORMITY (NC) : The quality policy statement of lab does not include impartiality and consistent operation. Management commitment regarding impartiality is not mentioned in quality policy.		
		Signature of Auditor & Date  7/2/19
CORRECTIVE ACTION PROPOSED: 1. Quality Policy will be modified to include impartiality and consistent operation. 2. Clause 4.1.2 will be modified to include management's commitment.		
		Signature of Auditee & Date  7/2/19
RESPONSIBILITY & TIME REQUIRED FOR CORRECTIVE ACTION: QM shall take corrective action within twenty working days.		
		Signature of Auditee / HOD/Quality Manager & Date  7/2/19
CORRECTIVE ACTION TAKEN: Quality Policy has been modified to include statement on impartial and consistent conduct of operation. Clause 4.1.2 has been modified in reference to ethical policy laid by parent institute.		
		Signature of Auditee & Date  7/2/19
CORRECTIVE ACTION VERIFIED & COMMENTS, IF ANY		
Signature of Quality Manager & Date		Signature of Auditor & Date




The Northcap University Testing Centre (NCUTC) is committed

- To good professional practices and provide world class testing services to the customers.
- To provide consistent, accurate and reliable testing through well qualified and trained technical staff.
- To adopt National / International methodologies as may be applicable in management systems as per technical norms.
- To make fully aware its staff members about requirements of ISO/IEC 17025: 2017 in implementing the management systems as per technical requirements.
- To use only those instruments, which are fit for intended testing through calibration and compliances with ISO/IEC 17025: 2017 and all efforts will be made for continual improvement of the effectiveness of management system.
- *To ensure that all the activities carried out in the laboratory are impartial and ethical which does not allow pressures of financial and commercial nature.*

Quality Manager, NCUTC

Director, NCUTC

	Document Name: Laboratory Management System Document No. NCUTC/CV/LMS/DOC#2	Issue no. 03	Date of issue 04/02/2019
		Revision no. 01	Date of revision 27/02/2019
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4. GENERAL REQUIREMENTS

4.1 Impartiality

4.1.1 *The activities carried out at The NorthCap University Testing Centre are taken up in a structured manner and managed by well-defined management and technical procedures to ensure an impartial conduct.*

4.1.2 *The top management of NCUTC follows the ethical policy laid down by parent institute and is committed to impartial operations.*

4.1.3 The laboratory does not allow commercial, financial or other pressures of any sort and is solely responsible for the impartial control of its laboratory activities.

4.1.4 The laboratory identifies risks to its impartiality on an on-going basis include those risks that arise from its activities, or from its relationships, or from the relationships of its personnel to the senior management of the Lab or any kind of financial dealings.

4.1.5 If a risk to impartiality is identified, the laboratory takes action to eliminate or minimizes such risks by carrying out surprise checks, through whistle blowers, dismissing or transferring the personnel, etc.

4.2 Confidentiality

4.2.1 The laboratory is responsible, through legally enforced commitments, for the management of all information obtained or created during the performance of laboratory activities. The laboratory informs the customer in advance, of the information it intends to place in the public domain. Except for information that the customer makes publicly available, or when agreed between the laboratory and the customer (e.g. for the purpose of responding to complaints), all other information is considered proprietary information and is regarded as confidential.

4.2.2 When the laboratory is required by law or authorized by contractual arrangements to release confidential information, the customer or individual concerned shall be informed.

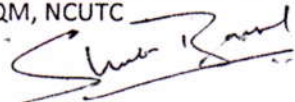
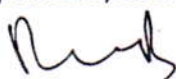
4.2.3 Information about the customer obtained from sources other than the customer (e.g. complainant, regulators) shall be kept confidential between the customer and the laboratory. The provider (source) of this information shall be confidential to the laboratory and shall not be shared with the customer, unless agreed by the source.

4.2.4 Personnel, including any committee members, contractors, personnel of external bodies, or individuals acting on the laboratory's behalf, shall keep confidential all information obtained or created during the performance of laboratory activities, except as required by law.



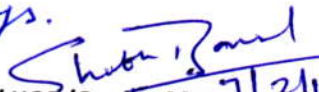
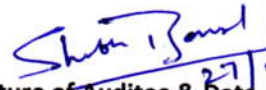
5.0 STRUCTURAL REQUIREMENTS


5.1 Legal identity

The NorthCap University (NCU), Gurgaon, formerly ITM (Institute of Technology & Management), was founded in the year 1996, to promote excellence in Technical and Management education by Educate India Society, registered under the Registration of Societies Act of 1860. The University is committed totally to merit based decisions in every aspect of its operations.

Prepared by QM, NCUTC 	Approved by Director, NCUTC 
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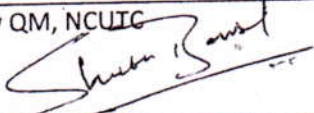
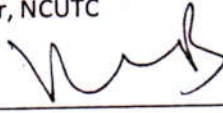
FORMAT IA-03 FOR INTERNAL AUDIT

Audit No. : NCU/NCCU/CV/2017/IA-04	Date : 07.02.2019	Auditor : S C Huria
Department / Section : Mechanical Testing	Activity Assessed : Impartiality	Auditee : Mr Shubham Bansal / Mr Diptendu Roy
NC No. : SCH-02	Ref to ISO/ IEC 17025:2017 Clause No. : 5.3	
DESCRIPTION OF NON-CONFORMITY (NC) : The range of activities for which lab conforms to the requirements of ISO/IEC 17025:2017 is not defined.		
		 Signature of Auditor & Date 7/2/19
CORRECTIVE ACTION PROPOSED: Range of activities will be included in clause 5.3 in quality manual.		
		 Signature of Auditee & Date 7/2/19
RESPONSIBILITY & TIME REQUIRED FOR CORRECTIVE ACTION: QM shall take corrective action within twenty working days.		
		 Signature of Auditee / HOD / Quality Manager & Date 7/2/19
CORRECTIVE ACTION TAKEN: Range of activities has been included in Clause 5.3 and attached as Annexure (A) in Quality Manual.		
		 Signature of Auditee & Date 27/2/19
CORRECTIVE ACTION VERIFIED & COMMENTS, IF ANY		
Signature of Quality Manager & Date Date		Signature of Auditor &

 NCU THE NORTHCAP UNIVERSITY	Document Name: Laboratory Management System Document No. NCUTC/CV/LMS/DOC#2	Issue no. 03	Date of issue 04/02/2019
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Annexure-A

Sr. No.	Product(s) / Material of Test	Specific Tests Performed	Test Method / Standard against which tests are performed
1	Cement	i. Fineness	IS 4031 (Part 1) :1996 (Reaffirmed 2005)
		ii. Consistency	IS 4031 (Part 4) :1988 (Reaffirmed 2009)
		iii. Setting time Initial Setting Time Final Setting Time	IS 4031 (Part 5) :1988 (Reaffirmed 2009)
		iv. Soundness Test	IS 4031 (Part 3) :1988 (Reaffirmed 2005)
		v. Specific Gravity	IS 4031(Part 11) :1988 (Reaffirmed 2005)
2	Coarse Aggregates	iii. Size and Grading (Sieve Analysis)	IS 2386 (Part 1) :1963 (Reaffirmed 2011)
		iv. Abrasion Value	IS 2386 (Part 4) :1963 (Reaffirmed 2011)
		iii. Impact Value	IS 2386 (Part 4) :1963 (Reaffirmed 2011)
		iv. Crushing value	IS 2386 (Part 4) :1963 (Reaffirmed 2011)
		v. Elongation & Flakiness index	IS 2386 (Part 1) :1963 (Reaffirmed 2011)
3	Fine Aggregate	i. Size and Grading (Sieve Analysis)	IS 2386 (Part 1) :1963 (Reaffirmed 2011)

Prepared by QM, NCUTC 	Approved by Director, NCUTC 
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Document Name: Laboratory Management System
 Document No. NCUTC/CV/LMS/DOC#2

Issue no. 03	Date of issue 04/02/2019
Revision no. 01	Date of revision 27/02/2019
Page 8 of 40	

(NCUTC is established under the umbrella of NCU, Gurgaon and its office is located in the premises of NCU campus at Sector-23A, HUDA, Gurgaon 122017.
 The legal identity No F. No. 8-4/2010(CPP-I/PU) is appended with the LMS Manual and kept as a record in the Folder NCUTC/CV/5.1/Folder #1.



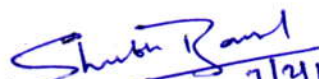
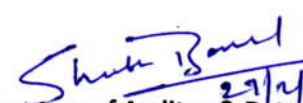
The document pertaining to the establishment of NCUTC and required approval from the Governing Body (GB) of NCU is enclosed in the Folder NCUTC/CV/5.1/Folder # 1.


- 5.2 Director (The Vice-Chancellor of NCU) has the overall responsibility for the laboratory.
- 5.3 The range of activities for which the laboratory conforms to requirements of ISO 17025:2017 are listed in Annexure-A.
- 5.4 NCUTC has permanent testing facility at its premises located at Sector 23A, Gurugram 122017 and does not carry out onsite or mobile activities. NCUTC is an independent unit of NCU and carries out its testing activities in such a way so as to meet the requirements of IS/ISO/IEC 17025:2017, customer, regulatory authorities and accreditation body (N.A.B.L. – National Accreditation Board for Testing and Calibration Laboratories).
- 5.5 The Laboratory has a defined organizational structure indicating the inter-relationship with the parent university and also inter-relationships between its Quality, Technical and Service Personnel.

a) Organizational structure:
 NorthCap University Testing Center (NCUTC) NCUTC is an entity of NCU (The NorthCap University, Gurgaon). In all respects, NCUTC work under the umbrella of NCU and it is governed by the Director, NCUTC who is de facto the Vice chancellor / Pro-VC of NCU. NCUTC is legally responsible for all types of testing, generating reports and has its own quality and management system as per ISO/IEC 17025:2017. Other personnel in the hierarchy are Quality Manager (QM), Technical Manager (TM), Head, NCUTC, Assistant Technical Manager (ATM) and Technical Engineers (TE), whose roles and responsibilities are well defined.
 Staff members of NCUTC are appointed from the regular faculty / staff members of the concerned departments of NCU based on their experience and area of expertise. NCU staff members are given additional responsibilities for NCUTC along with the regular academic activities of NCU without any additional benefits / perks & allowances. There is no conflict of interest between NCU and NCUTC & all the staff members are aware of the responsibilities and management system of NCUTC. The organizational structure of NCUTC and its place in its parent body, NCU, is shown in the following charts.

Prepared by QM, NCUTC 	Approved by Director, NCUTC
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FORMAT IA-03 FOR INTERNAL AUDIT

Audit No. : NCU/NCCU/CV/2017/IA-04	Date : 07.02.2019	Auditor : S C Huria
Department / Section : Mechanical Testing	Activity Assessed : Impartiality	Auditee : Mr Shubham Bansal / Mr Diptendu Roy
NC No. : SCH-03	Ref to ISO/ IEC 17025:2017 Clause No. : 6.2.2	
DESCRIPTION OF NON-CONFORMITY (NC) :		
The lab has not documented competence requirements for each post of the laboratory.		
		 Signature of Auditor & Date 7/2/19
CORRECTIVE ACTION PROPOSED:		
Competency requirements for each post will be documented.		
		 Signature of Auditee & Date 7/2/19
RESPONSIBILITY & TIME REQUIRED FOR CORRECTIVE ACTION:		
QM shall take corrective action within twenty working days.		
		 Signature of Auditee / HOD/Quality Manager & Date 7/2/19
CORRECTIVE ACTION TAKEN:		
Competency requirements for recruitment of staff of NUTC has been documented in NUTC / CV / 6.2.2 / Doc # 20.		
		 Signature of Auditee & Date 29/2/19
CORRECTIVE ACTION VERIFIED & COMMENTS, IF ANY		
Signature of Quality Manager & Date		Signature of Auditor & Date
Date		

	Document Name: Laboratory Management System Document No. NCUTC/CV/LMS/DOC#2	Issue no. 03	Date of issue 04/02/2019
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technical engineers for performing particular test and to offer equipment/ facility. The record for the same is maintained in NCUTC/CV/6.2/Folder#2. The staffs, who are under training, if used for performing tests, are supervised as appropriate by senior staff. Competence norms are: i) Qualification, ii) Training, & iii) Work Experience.

6.2.2 Competence Norms

NCUTC has setup job requirement and competence norms for its staff depending on activities they are to perform, on the basis of appropriate education, training, experience and demonstrated skills. The training policy of NCUTC is to ensure that anyone involved in test activity has the required skill, and achieve all training objectives as follows:

- i. Training is a must for newly inducted person who have no prior experience of working in a similar laboratory, and effectiveness of training is continually evaluated by trainer.
- ii. Training is also a must when a person is likely to be used in other section of NCUTC, where he may have not worked before.
- iii. Continual training to keep the staff updated with latest scientific technique /developments and on management system.
- iv. Training of staff when scope is enlarged for added parameter.
- v. Evaluation of effectiveness of training is being done every six months during the semester breaks.

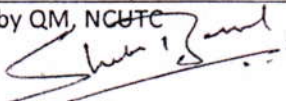
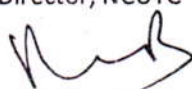
The competency requirements for the recruitment of staff for each post of the laboratory are provided in document NCUTC/CV/6.2.2/Doc#20

6.2.3 Staff of NCUTC

Personnel working in NCUTC are either regular staff, or on short term contract. Those persons on short-term contract are trained and supervised as may be necessary, and where required.

6.2.4 Job description

NCUTC defines jobs/responsibilities for all, technical and non-technical personnel. These cover responsibilities with respect to performing tests, issuing test reports/ and authorized signatories. It has defined qualification, training and required experience, for each of its job. The same is indicated below:

Prepared by QM, NCUTC 	Approved by Director, NCUTC 
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Proof of NC-03



Document Name: Competence Norms
No.- NCUTC/CV/6.2.2/DOC#20

Issue no. 01

Date of issue
15/02/2019

Revision no.

Date of revision

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Competence Norms




Prepared by QM, NCUTC

Shubh Sand

Approved by: Head, NCUTC

ADangra

 NCU THE NORTHCAP UNIVERSITY™	Document Name: Competence Norms No.- NCUTC/CV/6.2.2/DOC#20	Issue no. 01	Date of issue 15/02/2019
		Revision no.	Date of revision
		Page 3 of 4	

RECRUITMENT NORMS FOR STAFF OF NCUTC

Head

Minimum eligible criteria:

- PhD OR Masters in Engg & Tech (2 Year, full time in 1st class) with 5 Years Experience in laboratory testing.
- Basic qualifications should be obtained only through Regular mode (either full or part time – except AMIE and IGNOU) from a UGC recognized university, unless otherwise specified with min. 55% marks or equivalent CGPA.
- No candidates with distance education qualifications, either in first or second degree will be considered for any technical position.
- Only relevant experience and post qualifying degree experience in the respective discipline shall be considered.

Technical Manager/Assistant Technical Manager

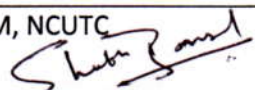
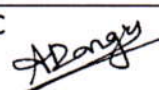
Minimum eligible criteria:

- Masters in Engg & Tech (2 Year, full time in 1st class) OR Bachelors in Engg & Tech (4 Year, full time in 1st class) in relevant discipline with 2 years lab testing experience.
- Basic qualifications should be obtained only through Regular mode (either full or part time – except AMIE and IGNOU) from a UGC recognized university, unless otherwise specified with min. 55% marks or equivalent CGPA.
- No candidates with distance education qualifications, either in first or second degree will be considered for any technical position.
- Only relevant experience and post qualifying degree experience in the respective discipline shall be considered.

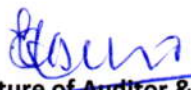
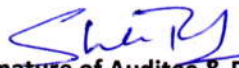


Quality Manager

Minimum eligible criteria:

- Masters in Engg & Tech (2 Year, full time in 1st class) OR Bachelors in Engg & Tech (4 Year, full time in 1st class) in relevant discipline with 2 years lab testing experience.

Prepared by QM, NCUTC 	Approved by: Head, NCUTC 
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FORMAT IA-03 FOR INTERNAL AUDIT

Audit No. : NCU/NCCU/CV/2017/IA-04	Date : 07.02.2019	Auditor : S C Huria
Department / Section : Mechanical Testing	Activity Assessed : Impartiality	Auditee : Mr Shubham Bansal / Mr Diptendu Roy
NC No. : SCH-04	Ref to ISO/ IEC 17025:2017 Clause No. : 7.1.1 & 7.1.3	
DESCRIPTION OF NON-CONFORMITY (NC) :		
There is no appropriate system of review of requests, tender & contracts including conformity statements and decision rule.		
		 Signature of Auditor & Date 7/2/19
CORRECTIVE ACTION PROPOSED:		
Appropriate process of review of request satisfying the requirements of 7.1.1 and 7.1.3 of the standard.		
		 Signature of Auditee & Date 7/2/19
RESPONSIBILITY & TIME REQUIRED FOR CORRECTIVE ACTION:		
Quality Manager shall take corrective action within 20 working days.		
		 Signature of Auditee / HOD/Quality Manager & Date 7/2/19
CORRECTIVE ACTION TAKEN:		
Process of review of request now includes Test Request Form (TRF) as per NCU/CV /7.1.1/ Format # 15 which entails the statement of conformity & decision rule to be followed.		
		 Signature of Auditee & Date 7/2/19
CORRECTIVE ACTION VERIFIED & COMMENTS, IF ANY		
Signature of Quality Manager & Date Date		Signature of Auditor &



Document Name: Laboratory Management System
 Document No. NCUTC/CV/LMS/DOC#2

Issue no. 03	Date of issue 04/02/2019
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Page 19 of 40	

Format for checking the suitability of reagents and consumables are available in NCUTC/CV/6.6/Format#3. Records for the same are maintained in NCUTC/CV/6.6/Folder#10.

6.6.3 Purchase Document

Purchasing documents contain details, such as, product name, quantity, specifications, as required in the test/calibration method and supplies.

Details of those records related to purchase are maintained in NCUTC/CV/6.6/Folder#11

7. PROCESS REQUIREMENTS

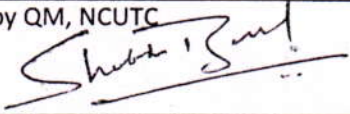
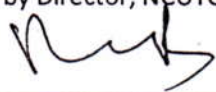
7.1 Review of Requests, Tenders and Contract

As per its policy, NCUTC currently takes up mechanical testing jobs, subject to a review of its capability to undertake it, through acceptance of the contractual requirements between NCUTC & the Customer in writing. For NON-NABL accredited scope, NCUTC does inform its customer to this effect.

7.1.1 Procedure for Review of request, tenders and contract

As per the procedure, NCUTC determines the capability and resources to meet the requirements of the customer first through email / telephonic conversation, and before starting the work, a request letter is received from the customer that provides details about material description, scope of the tests and methodologies to be followed. If customer is not aware of the methodology to be followed, it is the responsibility of NCUTC to first educate the customer about the same and then receive the request in writing. *The request by customer is then reviewed through a form. The format for the same is available in NCUTC/CV/7.1.1/Format#15.* Once agreed by both the parties, contract is required to be made with all terms and conditions indicated in such a way that it is acceptable to both the Laboratory and the customer. If work cannot be done as per the terms of contract, the customer is informed and a new contract is signed if agreeable to both sides.

NCUTC has a procedure for Review of Requests, Tender & Contract and approval from top management and the same is explained / elaborated in document NCUTC/CV/7.1/DOC#6.

Prepared by QM, NCUTC 	Approved by Director, NCUTC 
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Document Name: Test request Form (TRF)
No.- NCUTC/CV/7.1.1/Format#15

Issue no. 01	Date of issue 15.02.2019
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Page no.	

1. Customer Detail

Firm Name :
 City & Pin code :
 Contact person name :
 Designation :
 Mobile No. :
 Email :
 Customer ID :

2. Details of the Samples / Consultancy

Name of the project :
 Expected Date of Completion :
 Condition of sample received :

Sr. No.	Testing Details	Material Description	IS Code Referral	Sample ID
1.				
2.				
3.				
4.				
5.				
6.				
7.				

3. Lab capability

- Availability of Equipment : YES / NO
- Availability of manpower : YES / NO
- Conformance statement Required: YES / NO,

Note: If YES, decision rule agreed:

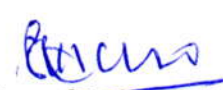

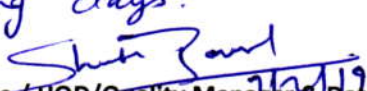
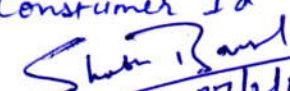
- (i) To consider measurement uncertainty in compliance or noncompliance,
OR
- (ii) Decision rule given by customer _____

Technical Manager, NCUTC





Customer Sign

Prepared by QM, NCUTC 	Approved by: Head, NCUTC
---------------------------	------------------------------

FORMAT IA-03 FOR INTERNAL AUDIT

Audit No. : NCU/NCCU/CV/2017/IA-04	Date : 07.02.2019	Auditor : S C Huria
Department / Section : Mechanical Testing	Activity Assessed : Impartiality	Auditee : Mr Shubham Bansal / Mr Diptendu Roy
NC No. : SCH-05	Ref to ISO/ IEC 17025:2017 Clause No. : 7.4.2	
DESCRIPTION OF NON-CONFORMITY (NC) :		
<p>The laboratory's maintaining records of sample receipt from point of view of confidentiality is not appropriate. Lab has not analyzed risks involved and to mitigate them.</p>		
		 Signature of Auditor & Date 7/2/19
CORRECTIVE ACTION PROPOSED:		
<p>Gratte to System will be modified for proper codification of samples and records to achieve confidentiality.</p>		
		 Signature of Auditee & Date 7/4/19
RESPONSIBILITY & TIME REQUIRED FOR CORRECTIVE ACTION:		
<p>Quality Manager shall take corrective action within twenty working days.</p>		
		 Signature of Auditee / HOD / Quality Manager & Date 7/4/19
CORRECTIVE ACTION TAKEN:		
<p>System now includes assigning Sample Id to samples at reception and confidentiality is maintained by not revealing Consumer Id to personnel involved in testing.</p>		
		 Signature of Auditee & Date 27/2/19
CORRECTIVE ACTION VERIFIED & COMMENTS, IF ANY		
Signature of Quality Manager & Date Date		Signature of Auditor &

FORMAT IA-03 FOR INTERNAL AUDIT

Audit No. : NCU/NCCU/CV/2017/IA-04	Date : 07.02.2019	Auditor : S C Huria
Department / Section : Mechanical Testing	Activity Assessed : Impartiality	Auditee : Mr Shubham Bansal / Mr Diptendu Roy
NC No. : SCH-06	Ref to ISO/ IEC 17025:2017 Clause No. : 7.9	
DESCRIPTION OF NON-CONFORMITY (NC) : The clause 7.9 of quality manual and corresponding procedure NCUTC/CV/7.9/DOC#8 is not completely as per the requirements of ISO/IEC 17025:2017.		
		 Signature of Auditor & Date
CORRECTIVE ACTION PROPOSED: Clause 7.9 of quality manual and corresponding procedure for complaints shall be modified as per the requirements of standard.		
		7/2/19  Signature of Auditee & Date
RESPONSIBILITY & TIME REQUIRED FOR CORRECTIVE ACTION: Quality Manager shall take corrective action within 20 working days.		
		 Signature of Auditee / HOD/Quality Manager & Date
CORRECTIVE ACTION TAKEN: Clause 7.9 has been modified to meet the requirements of 7.9.2 and 7.9.6 of standard.		
		 27/2/19 Signature of Auditee & Date
CORRECTIVE ACTION VERIFIED & COMMENTS, IF ANY		
Signature of Quality Manager & Date		Signature of Auditor & Date



Document Name: Laboratory Management System
Document No. NCUTC/CV/LMS/DOC#2

Issue no. 03	Date of issue 04/02/2019
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7.9 Complaints

NCUTC accepts complaints from its customer or other parties in writing. It acknowledges the receipt of complaint and after investigation and its resolution informs the customer about it to its satisfaction in writing.

It sends the complaint to the concerned department/ personnel at NCUTC to investigate and resolve the issue. The concerned department/ personnel keeps records of complaints received, investigations carried out, corrective actions taken and time taken to resolve the complaints are maintained. If the investigation raises a doubt that certain aspect of management system is not being followed, then that aspect of management system is subjected to additional audit. A preventive action is also initiated to ensure that the same type of complaint is not repeated. Director, NCUTC is responsible to resolve the complaints and maintain the records to this effect.

The above process of handling complaints right from the receiving stage to validating, investigating, and resolution ensures that the outcome of the complaints is reviewed and approved by person who is not involved in the laboratory activity in question. The appropriate corrective actions taken are finally communicated to the customer with a formal notice of the end of the complaint.

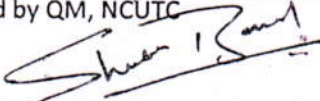

NCUTC has well defined policy and procedure for the resolution of complaints received from the customers or other parties as elaborated in **NCUTC/CV/7.9/DOC#8**. Format for receiving the complaints from the customer is available in **NCUTC/CV/7.9/FORMAT#5**. Records on complaints received from the customers, if any, are kept in folder **NCUTC/CV/7.9/Folder # 14**.

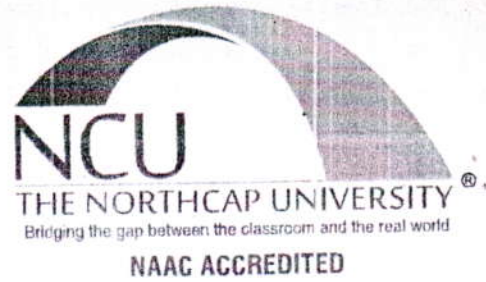
7.10 Control of Nonconforming testing

NCUTC is committed to pin down any non-conforming work in testing and in its management system. When a non-conforming work is identified, appropriate steps are taken for control of Nonconforming Work.

7.10.1 Controlling Non-conforming

When any non-conforming work being performed is identified, the work is stopped and the concerned personnel inform the Technical manager or Head NCUTC, depending upon their availability. The significance of nonconforming work is evaluated and necessary corrective action is applied and the work is resumed. If necessary, the customer is informed and if required, work is halted until clearance given by customer.

Prepared by QM, NCUTC 	Approved by Director, NCUTC 
--	---



(Formerly ITM University, Gurugram)

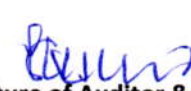

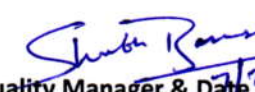

NORTHCAP UNIVERSITY TESTING CENTRE ACCEPTANCE AND RESOLUTION OF COMPLAINTS

Step 1	Acknowledgment	NCUTC Acknowledges the receipt of all complaints, in written. At the reception, a complaint reference number is allotted and same is communicated to the customer with a contact details for further correspondence.
Step 2	Record of Complaint	The complaint information is accurately recorded and is made accessible to the authorized person i.e Director or Head of NCUTC.
Step 3	Time Frame for resolution of complaint	For the resolution of complaint, NCUTC ensures to resolve the complaints on first contact, but if this is not possible, then a complaint should be resolved within 30 days. The same is communicated to the customer or its representative while acknowledging the receipt of complaint
Step 4	Responsibilities / Corrective actions	All the complaints received will be handled by Head, NCUTC. Corrective actions related to Management system procedure are forwarded to Quality Manager. Corrective actions related to Technical procedure are forwarded to Technical Manager.
Step 5	Response to the complaint	A detailed response in written is given to the customer for each complaint by Head, NCUTC with appropriate references and procedures, as applicable. Feedback of the customer is recorded and maintained.

Sector-23A, Gurugram-122017

+91 124 2365811-13 • ncu@ncuindia.edu • www.ncuindia.edu

FORMAT IA-03 FOR INTERNAL AUDIT

Audit No. : NCU/NCCU/CV/2017/IA-04	Date : 07.02.2019	Auditor : S C Huria
Department / Section : Mechanical Testing	Activity Assessed : Impartiality	Auditee : Mr Shubham Bansal / Mr Diptendu Roy
NC No. : SCH-07	Ref to ISO/ IEC 17025:2017 Clause No. : 8.5	
DESCRIPTION OF NON-CONFORMITY (NC) : The format NCUTC/CV/8.5/Format#8 for identification and actions on risks and opportunities is not appropriate as it is not fulfilling the requirements of 8.5.		
		 Signature of Auditor & Date 7/2/19
CORRECTIVE ACTION PROPOSED: Format or register for risk analysis and actions to eliminate or reduce/mitigate risk shall be introduced in system		
		 Signature of Auditee & Date 7/4/19
RESPONSIBILITY & TIME REQUIRED FOR CORRECTIVE ACTION: Quality Manager shall take corrective action within 20 working days.		
		 Signature of Auditee / HOD/Quality Manager & Date 7/2/19
CORRECTIVE ACTION TAKEN: Format for risk analysis and actions to eliminate or reduce/mitigate risk has been ammended and records are kept in folder no. 17.		
		 Signature of Auditee & Date 27/1/19
CORRECTIVE ACTION VERIFIED & COMMENTS, IF ANY		
Signature of Quality Manager & Date Date		Signature of Auditor & Date



Document Name: Preventive Actions
No.- NCUTC/CV/8.5/Format#8



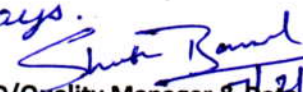
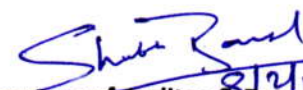
Proof of NC-07

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Page no.	

Sr. No.	Description of NCs/Risks	Management system Process	Responsibility Assigned	Brief description of preventive action taken to ensure that NCs/Risk on the same is not raised again	Date by which action to be taken	Signature of authorized person	Signature of Head, NCUTC

Prepared by QM, NCUTC <i>Shubh Bansal</i>	Approved by: Head, NCUTC <i>ADangra</i>
--	--

FORMAT IA-03 FOR INTERNAL AUDIT

Audit No. : NCU/NCCU/CV/2017/IA-04	Date : 07.02.2019	Auditor : S C Huria
Department / Section : Mechanical Testing	Activity Assessed : Impartiality	Auditee : Mr Shubham Bansal / Mr Diptendu Roy
NC No. : SCH-08	Ref to ISO/ IEC 17025:2017 Clause No. : 8.9	
DESCRIPTION OF NON-CONFORMITY (NC) : No formal management review meeting has been conducted last meeting on 26.09.2017.		
		 Signature of Auditor & Date
CORRECTIVE ACTION PROPOSED:		
7/2/19		
Management review meeting will be conducted and agenda & minutes of meeting shall be recorded.		
		 Signature of Auditee & Date
RESPONSIBILITY & TIME REQUIRED FOR CORRECTIVE ACTION:		
Quality Manager shall take corrective action within three working days.		
		 Signature of Auditee / HOD/Quality Manager & Date
CORRECTIVE ACTION TAKEN:		
Formal Management Review Meeting has been conducted and minutes has been recorded.		
		 Signature of Auditee & Date
CORRECTIVE ACTION VERIFIED & COMMENTS, IF ANY		
Signature of Quality Manager & Date		Signature of Auditor & Date



Proof of NC-08
DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING
THE NORTHCAP UNIVERSITY
Management Review Meeting (MRC) Notice

Mr. Shubham Bansal
Department of Civil & Env. Engg.
Quality Manager
NCUTC, NCU
Gurugram

08 February, 2019

Agenda

This is to kindly notify that the third Management Review Meeting (MRC) of NCUTC shall be held on 14 February, 2019 at 2:00 PM in the meeting room (R.No. 26A) to discuss the following agenda. The meeting would be presided by the Director, NCUTC, Prof H. B. Raghavendra.

- i. Matters arising from the previous management review.
- ii. Review of result of internal audit and action plan against various observations.
- iii. Preparation of external audit for renewal of NABL certificate.
- iv. Need for amendment of management system, including the quality manual.
- v. Adequacy of current human resources.
- vi. Further plan for lab upgradation and estimates for new work, additional staff, new equipment, changed methods etc.
- vii. Training requirements for new staff and for updating of existing staff;
- viii. Review of policy document and setting of objectives for the coming year
- ix. Laboratory's participation in proficiency testing or ILC programs.
- x. Feedback from managerial & supervisory personnel.
- xi. Customer feedback
- xii. Recommendations for improvement

The following members of MRC are requested to make it convenient to attend.

Prof H. B. Raghavendra, Director
Dr. Archanaa Dongre, Head
Mr. Diptendu Roy, Technical Manager
Mr. Lokesh Choudhary, Asst. Technical Manager
Mr. Raj Pal Singh, Technical Engineer
Mr. Sohan Lal, Technical Engineer

The third Management Review Meeting (MRC) of NCUTC was held on 14 February, 2019 at 2:00 PM in the meeting room (R.No. 26A) to discuss the following agenda. The meeting was presided by the Director, NCUTC, Prof H. B. Raghavendra. The following members attended the meeting:

1. Prof. H. B. Raghavendra, Director
2. Dr. Archanaa Dongre, Head
3. Mr. Shubham Bansal, Quality Manager
4. Mr. Diptendu Roy, Technical Manager
5. Mr. Lokesh Choudhary, Asst. Technical Manager
6. Mr. Raj Pal Singh, Technical Engineer
7. Mr. Sohan Lal, Technical Engineer

Agenda Points and discussion thereof are given below:

- i. Matters arising from the previous management review.

After the last MRM meeting, NCUTC is going to apply for renewal of accreditation as per ISO 17025:2017 (Latest Revision).

- ii. Review of result of internal audit and action plan against various observations.

The Internal Audit was held on 7th February, 2019 by Sh. S C Huria, former General Manager, NCB, Ballabgarh. Eight NCs were raised on which action is being taken by the auditee.

- iii. Preparation of external audit for renewal of NABL certificate.

NCUTC is planning to conduct external audit during the month of March. Filling of application is in progress as per ISO 17025:2017. Request for calibration of equipment has been sent.

- iv. Need for amendment of management system, including the quality manual.

All the required amendments have been made in the quality manual as per new guidelines of ISO 17025: 2017.

- v. Adequacy of current human resources

Due to relieving of Prof. Ojha, Director, Dr. Anil Kumar Mishra, Head, Prof. S. K. Jain, Quality Manager and Ms. Megha Kalra, Technical Manager, NCUTC new appointments have been made. Prof. H. B. Raghavendra has been designated as Director, Dr. Archanaa Dongre as Head, Mr. Diptendu Roy has been appointed as Technical Manager and Mr. Shubham Bansal has been appointed as Quality Manager of NCUTC.



DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING
THE NORTHCAP UNIVERSITY
Minutes of Management Review Meeting (MRC)

- vi. Further plan for lab upgradation and estimates for new work, additional staff, new equipment, changed methods etc.

It was discussed that having CTM may enhance the scope of NCUTC in providing bricks, panel and blocks testing facilities to customers. Advanced testing equipments such as Reinforcement Testing, Deflection Testing, Creep Testing may be there to fetch bulk consultancy work.

- vii. Training requirements for new staff and for updating of existing staff

Mr. Shubham Bansal has attended four days training program on "Laboratory Quality Management System & Internal Audit as per ISO/IEC-17025-2017 (Latest Revision)" from 28th to 31st January chaired by Mr. D. S. Tewari (Former Director NABL, Dept. of Science & Technology Govt. of India) organized by Central Institute of Plastics Engineering & Technology: Centre for Skilling and Technical Support (CIPET: CSTS) Bhopal.

- viii. Review of policy document and setting of objectives for the coming year

Quality Policy has been revised to incorporate impartiality and consistency during conduct of operations. Recruitment Policy has also been reframed and attached as annexure. Targets have been defined for the year 2019.

- ix. Laboratory's participation in proficiency testing or ILC programs

NCUTC is planning to participate in 'Proficiency Testing Program' in April 2019.

- x. Feedback from managerial & supervisory personnel.


All the operations are working normal.


- xi. Customer feedback

One customer feedback has been received from 'VNC' and they are happy with the lab facilities.

- xii. Recommendations for improvement

It is suggested that committee should think of scope enhancement of NCUTC.


Prof. H. B. Raghavendra
Chairman


Dr. Archanaa Dongre
Member



DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING
THE NORTHCAP UNIVERSITY
Minutes of Management Review Meeting (MRC)

A handwritten signature in black ink, appearing to read "Diptendu Roy".

Mr. Diptendu Roy
Member

A handwritten signature in black ink, appearing to read "Lokesh Choudhary".

Mr. Lokesh Choudhary
Member

A handwritten signature in black ink, appearing to read "Shubham Bansal".

Mr. Shubham Bansal
Member



Academic Administrative Audit 2019-20

Webinar

Mr Lokesh Choudhary, Faculty, Civil & Environmental Engineering Department delivered a live webinar on 'How Civil Engineers can thrive in smart city world'. The webinar focused on the opportunities which a Civil Engineer has in Smart cities, with advent of new technologies like BIM, GNSS Surveying, AI etc. He also discussed about the skill set which needs to be tailored to blend into the requirements of smart, digital and intelligent cities of the future. The session concluded with the Q/A round where Mr Choudhary answered the queries asked by the participants attending the webinar. (CEE2019W0011)

Reassessment Audit of NCUTC

On 24 & 25 August 2019, the Department hosted the assessor Mr Manjunatha SB and observer Mr Sharad Naik, appointed by National Accreditation Board for Testing & Calibration Laboratories (NABL) for the re-accreditation assessment audit of The NorthCap University Testing Center (NCUTC), an entity of the Department of Civil. The rigorous two days exercise included close inspection of the documentation pertaining to Laboratory Management System as per ISO/IEC 17025:2017 and scrutinize the testing procedures followed for third party testing of building materials. The assessment ended with a closing meeting at the office of Director-NCUTC, where the assessor announced the decision of continuation of accreditation for NCUTC, subject to fulfilment and completion of post-audit formalities. (CEE2019O046)



Publications

- Malhotra, M., Sahu, V., Srivastava, A. & Misra, A.K.* (June 2019) 'Impact of Pile foundations adjacent to tunnels in sandy stratum', Sadhna- Indian Academy of Sciences, Vol. 44 (7), pp. 1-11. (CEE2019J006)
- Malhotra, M, Srivastava, A.* & Jawaid, S (June 2019) 'Reliability Analysis of shallow foundation in the vicinity of the existing buried conduit', Geomechanics & Geoengineering, Vol. 14 (4), pp. 1-10. (CEE2019J007)
- Govardhan, P., Pasupuleti, V.D.K. & Dongre, A. (December 2018) "Comparison of different types of pylon shapes in seismic behavior of cable-stayed bridges", International Conference on Emerging Trends in Civil Engineering, SRIT-Anantapur, A.P. (CEE2019P002)

Centre for Languages Learning

Induction Session

From 22-26 July 2019, Centre for Languages Learning organized an 'English Skills Training' for students of first year as a part of their induction programme. The modules aimed to give a common platform to students coming from the diverse backgrounds and understand their proficiency level in the usage of english language. (CLL2019O006)



Department of Mechanical Engineering

Industry Visit

The Department organized an industrial visit to Prem Motors, Gurugram on 25 July 2019 for students of first year Mechanical Engineering. A total of 18 students along with two faculty members visited the division and were demonstrated with the vehicle assembly division and disassembly of the engine. The visit was coordinated by Mr Roshan Raman, Mr Anmol Bhatia and Mr Ravinder Yadav. (MED2019V003)



News from the School of Management

Guest Talk

Dr Vipin Gupta, Associate Dean and Co-Director, Global Management Centre, California State University visited School of Management on 2 July 2019. He shared his professional work experience with various institutions like IIM Indore, IIM Ahmedabad and Wharton School of the University of Pennsylvania. He shared his experience about GLOBE project, focusing on building networks, identifying key strengths and collaborative research opportunities. He accepted our invitation to be one of the core speakers in the upcoming International Conference on 'Winning in a VUCA World' which is to be held on 4 October 2019. (SOM2019G008)



Faculty Activity

Dr Akshat Aditya Rao presented his research paper titled 'Typology of Online Consumers based on Electronic Word of Mouth' at the 2019 IIM Indore-NASMEI Marketing-IS Conference held from 26-28 July 2019 at Indian Institute of Management, Indore. (SOM2019CA002)



Testing of Cements & Aggregates & Fundamentals of Estimation of Measurement Uncertainty in Testing

1. Department of Civil and Environmental organized an expert session on importance of IS (Indian standard) code for achieving quality work. (Proof Newsletter)
2. Department of Civil & Environmental Engineering has organized one day refresher course “Testing of cement and aggregates and fundamentals of estimation of measurement uncertainty in testing” where in the use of standard code of practice for quality measurement of mechanical properties and uncertainty in testing has been discussed upon. The trainer was Shri S C HURIA, Laboratory Quality Management System Advisor, NABL Lead Assessor/Technical Assessor for Calibration & Testing Laboratories, Ex General Manager National Council for Cement and Building Materials Ballabgar. (Proof certificates)

CERTIFIED

that

Dr. Archanaa Dongre

Department of Civil & Environmental Engineering at **The NorthCap University, Gurugram** has undergone training on the following

**REFRESHER COURSE ON TESTING OF CEMENT AND AGGREGATES
AND FUNDAMENTALS OF ESTIMATION OF MEASUREMENT
UNCERTAINTY IN TESTING**

On 18th November, 2019.

ADongre
18/11/19

Dr. Archanaa Dongre
PhD, MIE, MEERI, MASCE
HOD and Associate Professor
Dept. of Civil & Environmental Engg
The NorthCap University Gurugram

SC Huria

S C HURIA
Laboratory Quality Management
System Advisor
(ISO/IEC 17025, ISO/IEC 17043,
ISO/IEC 17020, ISO 9001)
NABL Lead Assessor/Technical
Assessor for Calibration & Testing
Laboratories
Ex General Manager
National Council for Cement and
Building Materials
Ballabgarh

CERTIFIED

that

Dr. Vaishali Sahu

Department of Civil & Environmental Engineering at **The NorthCap University, Gurugram** has undergone training on the following

**REFRESHER COURSE ON TESTING OF CEMENT AND AGGREGATES
AND FUNDAMENTALS OF ESTIMATION OF MEASUREMENT
UNCERTAINTY IN TESTING**

On 18th November, 2019.

ADongre
18/11/19

Dr. Archanaa Dongre
PhD, MIE, MEERI, MASCE
HOD and Associate Professor
Dept. of Civil & Environmental Engg
The NorthCap University Gurugram

SC Huria

S C HURIA
Laboratory Quality Management
System Advisor
(ISO/IEC 17025, ISO/IEC 17043,
ISO/IEC 17020, ISO 9001)
NABL Lead Assessor/Technical
Assessor for Calibration & Testing
Laboratories
Ex General Manager
National Council for Cement and
Building Materials
Ballabgarh

CERTIFIED

that

Mr. Lobesh Choudhary

Department of Civil & Environmental Engineering at **The NorthCap University, Gurugram** has undergone training on the following

**REFRESHER COURSE ON TESTING OF CEMENT AND AGGREGATES
AND FUNDAMENTALS OF ESTIMATION OF MEASUREMENT
UNCERTAINTY IN TESTING**

On 18th November, 2019.

ADongre
18/11/19

Dr. Archanaa Dongre
PhD, MIE, MEERI, MASCE
HOD and Associate Professor
Dept. of Civil & Environmental Engg
The NorthCap University Gurugram

SC Huria

S C HURIA
Laboratory Quality Management
System Advisor
(ISO/IEC 17025, ISO/IEC 17043,
ISO/IEC 17020, ISO 9001)
NABL Lead Assessor/Technical
Assessor for Calibration & Testing
Laboratories
Ex General Manager
National Council for Cement and
Building Materials
Ballabgarh

CERTIFIED

that

Mr. Shubham Bansal

Department of Civil & Environmental Engineering at **The NorthCap University, Gurugram** has undergone training on the following

**REFRESHER COURSE ON TESTING OF CEMENT AND AGGREGATES
AND FUNDAMENTALS OF ESTIMATION OF MEASUREMENT
UNCERTAINTY IN TESTING**

On 18th November, 2019.

ADongre
18/11/19

Dr. Archanaa Dongre
PhD, MIE, MEERI, MASCE
HOD and Associate Professor
Dept. of Civil & Environmental Engg
The NorthCap University Gurugram

SC Huria

S C HURIA
Laboratory Quality Management
System Advisor
(ISO/IEC 17025, ISO/IEC 17043,
ISO/IEC 17020, ISO 9001)
NABL Lead Assessor/Technical
Assessor for Calibration & Testing
Laboratories
Ex General Manager
National Council for Cement and
Building Materials
Ballabgarh

CERTIFIED

that

Mr. Rajpal Singh

Department of Civil & Environmental Engineering at **The NorthCap University, Gurugram** has undergone training on the following

**REFRESHER COURSE ON TESTING OF CEMENT AND AGGREGATES
AND FUNDAMENTALS OF ESTIMATION OF MEASUREMENT
UNCERTAINTY IN TESTING**

On 18th November, 2019.

ADongre
18/11/19

Dr. Archanaa Dongre
PhD, MIE, MEERI, MASCE
HOD and Associate Professor
Dept. of Civil & Environmental Engg
The NorthCap University Gurugram

SC Huria

S C HURIA
Laboratory Quality Management
System Advisor
(ISO/IEC 17025, ISO/IEC 17043,
ISO/IEC 17020, ISO 9001)
NABL Lead Assessor/Technical
Assessor for Calibration & Testing
Laboratories
Ex General Manager
National Council for Cement and
Building Materials
Ballabgarh

CERTIFIED

that

Mr. Sanjay Sharma

Department of Civil & Environmental Engineering at **The NorthCap University, Gurugram** has undergone training on the following

**REFRESHER COURSE ON TESTING OF CEMENT AND AGGREGATES
AND FUNDAMENTALS OF ESTIMATION OF MEASUREMENT
UNCERTAINTY IN TESTING**

On 18th November, 2019.

A Dongre
18/11/19

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National Council for Cement and
Building Materials
Ballabgarh

CERTIFIED

that

Mr. Sohan Lal

Department of Civil & Environmental Engineering at **The NorthCap University, Gurugram** has undergone training on the following

**REFRESHER COURSE ON TESTING OF CEMENT AND AGGREGATES
AND FUNDAMENTALS OF ESTIMATION OF MEASUREMENT
UNCERTAINTY IN TESTING**

On 18th November, 2019.

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Expert Session

On 26 August 2019, an expert session by Mr Sharad Naik, Senior Technical Advisor, Acropolis Engineering Wisdom and Observer, NABL was organized by the Department of Civil and Environmental Engineering for the students of Final year, Civil Engineering. Mr Naik, In his talk highlighted the dire need to inculcate the habit of referring Indian Standards while testing materials. He insisted that there is an exponential growth in the industry for Civil Engineers as compared to the other disciplines. His talk motivated students to get themselves trained grab these opportunities. (CEE2019G008)



Parent Faculty Interaction

Parent Faculty Interaction for Civil Engineering students was conducted on 26 August 2019. During the meeting, parents were informed about their ward's progress and attendance. The strength, interest and area of improvement of each student was also shared with the parents. They were also informed about the Parent Information System (PIS) to check their ward participation in various events and about the e-portfolio to increase the employability of students. (CEE2019O047)

Visit to Indian Concrete Institute, Gurugram Center

On 30 August 2019, Mr Lokesh Choudhary and Mr Diptendu Roy, Faculty of Civil and Environmental Engineering Department attended the Inaugural ceremony of Indian Concrete Institute- Gurugram Centre, Sector 60, Gurugram. Civil & Environmental Engineering Department, The NorthCap University, which is an organizational member of ICI, was under the aegis of Delhi Centre before the commencement of this new Centre. The occasion was hosted in association with Ultratech Cement Limited, where several keynote speakers were invited who presented their perspectives on Construction & Demolition waste Utilization, Aditya Birla Group and Augmented products of Ultratech Cement Limited. The Chief Guest for the day Mr Rahul Hooda, (IAS), Additional Commissioner, MCG Gurugram also addressed the gathering of Academicians, Engineers, Scientists and stakeholders of Construction Industry on dire need of utilizing C&D waste in Construction Activities. (CEE2019V003)



Industrial Visit

The Department organized an Industrial visit to Hindustan Prefab Limited, Govt. of India Enterprise under the aegis of Ministry of Housing and Urban Affairs on 3 September 2019. The activity was in line with the government initiative to



provide awareness on fast, durable and precast construction. There faculty members from the Dept, viz Mr Diptendu Roy, Mr Lokesh Choudhary and Mr Shubham Bansal accompanied the students of BTech. and Mtech programme attended the session. The session ended with vote of thanks from the CMD, HPL and he encouraged the students to take up internships and training in this area and strive to solve existing problems with sustainable technology. (CEE2019V004)

Pre-PhD Seminar

Pre-PhD seminar of Ms Monica Malhotra, an enrolled student in the Dept. of Civil & Environmental Engineering was conducted on 10 September 2019. Her title of doctoral research is 'Experimental and Numerical Investigation of the effect of Pre-Existing nearby Conduit or Tunnel on the Load Carrying Capacity of Foundation'. The committee after the seminar recommended submission of her thesis for review. (Reg. 14CVD001)(CEE2019O050)

News from the School of Management

Session on Campus to Corporate

6 September 2019, an interactive session was organized by Dr B K Gupta, Director, School of Professional Attachment with his team for students of BCom(H) and BBA with respect to the issues pertaining to the placement process and the eligibility criteria of the industries. Students were advised to enhance their knowledge and soft skills in their domain areas and to update their CVs on SPA portal by coming Wednesday. Continuing with few mock interviews, they were given the idea as to what are their focusing areas. The session was coordinated by Dr Esha Jain, SPA coordinator for SOM. (SOM2019O010)



Faculty Activity

One-Day Consultative Workshop

Dr Esha Jain, faculty from School of Management attended One-day consultative workshop on 'Practices of comprehensive sanitation management under Swachhta Action Plan-Engaging Higher Education Institutions' at Centre for Professional Development in Higher Education, UGC-HRD Centre Delhi on 4 September 2019. (SOM2019WA005)





Internal Audit



4th Internal Audit



INTER OFFICE MEMO

Review Date:
01/03/2014

Sheet 1 of 1

From: Wg Cdr Manohar Vasudev (Retd)
Convener – Internal Audit

To: All DOS/HOD,
Dept. NAAC Co-ordinators
Cc: Hon'ble GB, Pro-Chancellor, Pro-VC,
Prof B K Das, Prof Ravinder Ojha
Registrar

Date: 21 Jan 2016

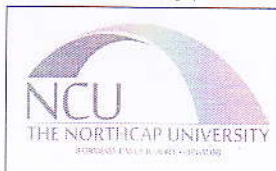
4th INTERNAL AUDIT OF DEPARTMENTS

1. The 4th Internal Audit of the Depts. was carried from 13-16 Jan 2016 by the following team:-
 - a. Prof Prem Vrat (Pro-Chancellor) - Chairman
 - b. Prof B K Das (University Mentor) - External Member
 - c. Brig S K Sharma (Retd) (Pro Vice-Chancellor) - Member
 - d. Prof Ravinder Ojha (Director, SOET) - Member
 - e. Wg Cdr Manohar Vasudev (Retd) (COE) - Member & Convener

2. The aim of the Internal audit was to verify the compliance of academic and administrative processes and practices as per NBA guidelines and gauge preparation of the Departments in view of forthcoming visit of NBA team for accreditation of our BTech and MBA programmes. The audit has helped identify the strengths and weaknesses of the Departments along with suggestions for improvements which are enumerated below.

3. The summary outcomes of the Internal Audit of the Depts. are as under:-

S. No	Department	Rank during Last Audit	% marks achieved in this Audit	Present Rank	Remarks
1.	CSE & IT	I	79.1	I	Can achieve a 5 year NBA accreditation.
2.	ECE	II	77.7	II	Likely to retain 2 year NBA accreditation but must attempt for 5 years.
3.	ME	VI	75.8	III	-do-
4.	Civil Engg.	V	70.9	IV	-do-
5.	SOL	VII	61.1	V	N/A for NBA but must put in more efforts for a good NAAC grading.
6.	SOM	III	53	VI	At current state unlikely to achieve accreditation for MBA programme but must make a serious attempt with substantial efforts.
7.	Applied Sciences	IV	-	Not assessed	No programme for NBA accreditation but should demonstrate its major supporting role for BTech programmes. Audit would be conducted on 27 Jan 2016.

**INTER OFFICE MEMO**Review Date:
01/03/2014

Sheet 1 of 1

4. The Depts. are required to give due attention and ensure that all of points raised are addressed before visit by the NBA accreditation team which is due shortly. The observations and weaknesses pointed out must be addressed in the next 10 days and a programme for final presentation would be informed by the Registrar.

5. In summary, Departments at serial 1 to 4 need to rework on observations and incorporate suggestions and should bid for being considered for 5 year accreditation of BTech programme. SOM needs to work hard expeditiously in the short time available to come up to minimum expected standards for accreditation of MBA programme. Department of Applied Sciences and SOL need to put in lot more effort to be able to meet NAAC standards which would be invited during middle of the year.

Wg Cdr Manohar Vasudev (Retd)
CONVENER – INTERNAL AUDIT

POINTS OF DEPARTMENTS OBSERVED DURING
INTERNAL AUDIT FOR NBA
(13 TO 16 JAN 2016)

1. CSE

- I. All faculty should be present before the Audit team arrives.
- II. Senior Professors were either not invited nor their involvement was evidenced. Their guidance and suggestions could have been helpful.
- III. Where co-relations are shown in matrix form viz. PEO with POs and COs, the average score must be calculated.
- IV. Some of the data shown especially regarding LMS, on-line quiz, GATE, Students and faculty activity achievement appeared underestimated and need to be highlighted take advantage but must be backed by factual information.
- V. Computer Labs were not presentable and posters and displays were missing. Hi Performance Computer lab was not showcased.
- VI. Team work and faculty participation in data collation and PPT presentation was lacking.
- VII. The Department has the potential to bid for a 5 year NBA accreditation if data presentation and the numbers improve.

2. EECE

- I. Focus is to be restricted to BTech ECE programme only for which accreditation is being sought.
- II. Cadre ratio need to be improved.
- III. First phase of the presentation needs to be reviewed and data to be presented in bullet form to reduce written text and explanation by narration instead.
- IV. Calculation of average co-relation of PEOs with POs and Cos is a must to give indicative score of overall co-relation.
- V. Sequencing should be from macro to micro level instead of being haphazard. PPTs should be recast.
- VI. Practical components of the teaching programme not being mapped.
- VII. Continuous improvement not visible as there is a dip mid-way in the three years data of most attributes.

3. ME

- I. Presentation needs to be restructured to present data beginning with an impressive overview of the Department and then progressing on to the actual NBA presentation.
- II. Mission of ME Department should be specific to ME.
- III. Focus is to be restricted to BTech programme only for which accreditation is being sought.
- IV. GATE result should focus on number of students who achieved 90 percentile and above.
- V. Points to be depicted in bullet form rather than text and explanation could be narrated.
- VI. Use of matrix form where relationship is being shown eg. POs with COs.
- VII. Sponsored Projects/Industrial consultancy remains a weak area. Efforts need to be enhanced.
- VIII. A weak area may not be necessarily be highlighted and only positive outcomes be shown.
- IX. The overall presentation was very good and showed marked improvement than last time.

4. Civil Engineering

- I. Presentation needs to be restructured to present data beginning with an impressive overview of the Department by HOD and progressing on to the actual NBA presentation by a suitable faculty.
- II. Data to be presented in a concise manner or in bullet form and explained by narrating where required avoiding lengthy text and same information in fewer slides.
- III. Quality of presentation needs to improve especially font size which should be visible to the visiting team. Involvement of all other faculty members should be visible.
- IV. Errors in the presentation made in last audit have been rectified.
- V. Environmental engineering appears to have been missed out. Incorporating sustainable development in the POs etc. could capture both aspects.
- VI. PEOs linked to CE Department should be highlighted. Use of tabular form instead of long text or narrative form is recommended.
- VII. Where co-relation with POs and COs is depicted, should be in a matrix form with average score calculated.
- VIII. PO based on Alumni feedback is 54% which is low if correctly assessed. Method of capturing information be standardized including final semester feedback data from HR Dept.

5. School of Law

- I. An impressive overview of the School needs to be given at the Dean's level followed by details by one or more faculty adept at presentations.
- II. Presentation needs to be restructured to present data for BBALLB (Hons.) programme accreditation beginning with an overview and progressing on to the actual NBA presentation.
- III. Data to be presented in a concise manner or in bullet form and explained by narrating where required avoiding lengthy text and same information in fewer slides.
- IV. Vision statement is too long needs to be restated in brief.
- V. Inputs from SOM in the PEOs and POs are missing although programme is integrated with BBA. Composite nature of the course could not be clearly brought out.
- VI. Focus on the BBA component of the integrated BBALLB (Hons) degree is subdued and its improved integration with LLB component may be explored.
- VII. Moot court room could become livelier by adding posters and information on prizes won by University in various competitions.
- VIII. Innovations such as e-Court or other new concepts could be introduced.
- IX. Library was under-stocked and not presentable. Shelf labels were missing and e-catalogue of books available needs to be prepared urgently.

6. School of Management

- I. The mission of SOM is not in sync with University's Vision and Mission.
- II. PEOs are good but linkage with POs is not clearly established.
- III. Students admitted are of average caliber and placement records of graduates passed out is not encouraging.
- IV. MDP, Consultancy or Global tie up or interaction is virtually missing.
- V. In-house discussion on NBA requirement, brainstorming sessions, team work and faculty participation in understanding NBA requirement, data collation and PPT presentation was evident and lacking.
- VI. Response was not related to questions raised in NBA form.
- VII. SOM does not appear to be ready for MBA programme accreditation by NBA and needs to revisit all details for accreditation.

7. Applied Sciences

- I. The Department is not clear about the NBA requirements in relation to the support offered to BTech programme.
- II. However data was presented as required for NAAC presentation of BSc and MSc programme whilst it should be from the perspective of its role in support of the BTech programmes.
- III. PPTs' are too many and in narrative form while they should be concise and in bullet form and explained by narrating if required.
- IV. POs and COs should be restricted to BTech 1st year as a foundation course and represented through diagrams.
- V. In house discussion within Department appeared lacking resulting in a presentation which did not touch upon the Department's role in shaping the BTech programme.
- VI. The Department has been advised to recast its presentation to demonstrate their importance in supporting role for BTech programme and present it again on 27 Jan 2016 under NBA structure.

Common Points for All Schools & Departments

A large number of initiatives taken at the University level are completely missing from most presentations. They include (but not limited to) adoption of ERP system, strong and zero deviation policy from accepted norms, a high degree of discipline, continuous evaluation system, adoption of Credit based system including moderation process, continuous review of syllabus, Dean's list students, Scholarships, MTech teaching Assistantship, Mentoring scheme and structured syllabus etc. These and other positives should be highlighted suitably in the presentation by all HODs.



5th Internal Audit

	INTER OFFICE MEMO	Review Date:
		Sheet 1 of 1

From: Controller of Examinations

To: All DOS/Deans/HODs

CC: Hon'ble GB, Pro-Chancellor, Pro-VC,
Registrar

23 January 2017

5th INTERNAL AUDIT OF DEPARTMENTS (13 – 16 JANUARY 2017)**1. Audit Team:**

The 5th Internal Audit of all three Schools was conducted by a team consisting of following members from 13 – 16 January 2017:

- | | |
|---|---------------------|
| a. Prof Prem Vrat (Pro Chancellor) | - Chairman |
| b. Brig S K Sharma (Retd) (Pro Vice Chancellor) | - Member |
| c. Prof B K Das(NCU Mentor) | - External Member |
| d. Prof Amitava Sengupta | - External Member |
| e. Wg Cdr Manohar Vasudev (Retd) (COE) | - Member & Convener |

2. The 4th Internal Audit was conducted in Jan 2016 and shall henceforth be conducted annually in the month of July so that full academic year can be presented.

Aim:

3. The Aim was twofold i.e. to assess the Departments/ Schools strengths & weaknesses and give direction for future growth and secondly, to prepare them for NBA accreditation both in terms of documentation, rectifying weaknesses and ensuring positive outcomes.

Outcomes:

4. Summary of outcome of Internal Audit is as under:

S. No.	School/ Dept	Rank during last Audit	% marks achieved in this Audit	Present Rank	Performance descriptor	Remarks
1.	ECE	II	81.5	I	Very Good	Can achieve a 5 year NBA accreditation
2.	CSE & IT	I	80.4	II	Very Good	Can achieve a 5 year NBA accreditation
3.	Civil Engg.	IV	76.0	III	Good	Likely to achieve 2 year NBA re-accreditation
4.	Applied Sciences	IV	75.4	IV	Good	No Programme for NBA accreditation, but could demonstrate its major supporting role for BTech Programmes well.
5.	ME	III	75.1	V	Good	Likely to achieve 2 year NBA re-accreditation.
6.	SOL	V	68.4	VI	Satisfactory	Will be re-assessed in 4th week of Jan 2017 in view of forthcoming BCI Inspection in Feb 2017.
7.	SOM	VI	58.5	VII	Marginally Satisfactory	Will be re-assessed in first week of Feb 2017.



INTER OFFICE MEMO

Review Date:
01/03/2014

Sheet 1 of 1

Observations:

- Summary of the Observations in respect of the Schools and individual Departments by Audit team is attached.
- Update on 'Continuous Improvement' as per NBA format was not given by any Department except ME. Standard of slides not uniform across all Schools/ Departments.
- Slides prepared by ECE Department can be followed by all.
- School of Management and School of Law need to put in substantial efforts on rectifying their weaknesses and standard of presentation.
- Departments under School of Engineering need to rework data to be so presented so that their best practices become evident.

Wg Cdr Manohar Vasudev (Retd)
COE & CONVENER – INTERNAL AUDIT

MAJOR OBSERVATIONS OF THE DEPARTMENTS

DURING FIFTH INTERNAL AUDIT

(13th TO 16th JAN 2017)

EECE

1. Improvement over last Audit is evidenced. HOD's overview was very comprehensive and good.
2. One Professor is required as per NBA norms and cadre ratio of Faculty to be also brought up to standards.
3. Ph.D holders amongst Faculties need to increase to meet the minimum 1/3rd requirement.
4. Externships of Faculty a good initiative and needs to be replicated amongst other Departments.
5. Need to enhance number of intake of B.Tech and M.Tech students.
6. Projects by students after 1st year during summer is a good idea which can be replicated across SOET.
7. Overall a good team work evident.
8. Presentation and standard of slides can be emulated by other Departments as well.

CSE & IT

1. Department has maintained its high performance except that Faculty Cadre ratio has decreased due to large B.Tech batch intake.
2. Department needs to have one Professor to meet the required cadre standards.
3. M.Tech admissions have gone down and steps to enhance be taken for forth coming admissions.
4. The coverage be more balanced as Criteria 2, was too elaborately covered.
5. Points emerging out of Learning Outcomes and minimum 6 CGPA as base for acceptable level of 'Attainment' can be revised to 7 CGPA.
6. Course content / intense practice for Coding be thoroughly reviewed to give better Third party assessment results.
7. Quality of research be brought out in documents and slides.
8. Department has helped in placements at its own level.
9. Team work was evident in the presentation.

Civil Engineering

1. Improvement in the presentation quality over past Audit was in evidence.
2. POs / PEOs and Vision / Mission of the Department needs to be revisited to keep them in sync with University Vision / Mission.
3. As per NBA standards, one Professor is required in the Department, which needs to be inducted.
4. Faculty with Ph.D, not yet at the minimum 33% requirement. More Faculties with Ph.D are needed to meet the requirement.
5. Only 5 of the 20 research papers published are SCI / Scopus indexed.
6. Environmental Engineering aspect in the curriculum is weak and its contents increased or name of Department should exclude Environmental Engineering.
7. Departmental effort for placements of their students was good and must continue in this semester as well.

Applied Sciences

1. Good team work was evident in the presentations and was well supported by facts and figures.
2. PhD scholars need enhancement to fully exploit its large strength of Ph.D faculty and its academic strengths.
3. Retention of Maths Faculty is an issue.
4. Maths teaching learning outcomes needs addressing due to high failure rate.
5. Outreach to Schools on forthcoming National Science Day on 28th Feb 2017 should publicize NCU and help to improve selectivity ratio of B.Tech and other admissions.
6. Overall a marked improvement over 2016 annual internal audit.

ME

1. There is an improvement over previous Internal Audit.
2. Retention of Faculty in the Department is an issue. Department needs to recruit a Faculty at Professor Level.
3. 50% target in achieving POs is too low and needs to be at least 60%.
4. Increase in research papers published out of B.Tech Projects was appreciated.
5. Budget outlay must be reviewed and expenses incurred be accurately stated in data.
6. Placement figures need review as it does not reflect the correct picture. Back up information to support the data be provided.
7. Improvement in various metrics evidenced in a number of parameters and must be sustained.

School of Law

1. Slides and data to be in sync as per headings and sub-headings of BCI format.
2. Structure of SOL Audit format was not suitable for Internal Audit as it appears more like an approval form for establishing a School of Law.
3. The HOD was not fully in the grip of the past details and strengths and faculty team work and value addition by them was missing.
4. Need for appointing a Dean School of Law is urgent keeping in mind BCI visit in Feb 2017 or at least begin the process by then.
5. Library with Astd. Librarian and supporting staff be provided early as an independent library for School was pointed out in the last BCI inspection.
6. Better interdisciplinary work needs to be encouraged between SOL and other Schools.
7. The presentation needs to be made more impactful with data as to what are the special features of the School well over and above the BCI requirements.
8. Substantial efforts needs to be put in by SOL before its ambitious Vision statement in becoming a premier law school can be envisaged.
9. A second review as per BCI format is recommended in the last week of Jan 2017 in view of impending BCI inspection in Feb 2017.

School of Management

1. SOM presentation was distinctively less coherent and not consistent in standard with other Departments.
2. Dean should present his School and not the HOD or give a comprehensive overview at the beginning.
3. Compilation of data and display of slides needs much improvement.
4. The Vision / Mission, POs of the Department were not in sync with the University Vision / Mission.
5. Good aspects e.g. Teaching, Learning and Effectiveness were not brought out convincingly.
6. MDP / Consultancy is either absent or non-existent.
7. Path to improvement must keep coming out clearly during the presentation.
8. Skew of Regular to Visiting Faculty needs correction. Faculty attrition in the past was seen to be alarmingly high.
9. Previous Audit points not addressed fully.
10. Documentary and statistical data should support the verbal / statements on slides where necessary.
11. A second review is recommended to be held in 1st week of Feb 2017.



6th Internal Audit

	INTER OFFICE MEMO	Review Date: 01/03/2014
		Sheet 1 of 1

14.08.2018

6th INTERNAL AUDIT OF DEPARTMENTS (07 – 10 AUGUST 2018)

1. Audit Team:

The 6th Internal Audit of all three Schools (based on NAAC SSR evaluative report) was conducted by a team consisting of following members from 07 – 10 August 2018:

- | | |
|---|---------------------|
| a. Prof Prem Vrat (Pro Chancellor) | - Chairman |
| b. Prof H B Raghavendra (Vice-Chancellor) | - Member |
| c. Dr C R Prasad (NCU Mentor) | - External Member |
| d. Prof B K Das (NCU Mentor) | - External Member |
| e. Wg Cdr Manohar Vasudev (Retd) (COE) | - Member & Convener |

2. The 5th Internal Audit conducted in Jan 2017 and was based on NBA guidelines.

Aim:

3. The Aim was twofold i.e. to assess the Departments/ Schools for their strengths and weaknesses and give them direction for future growth and secondly, to prepare them for improved NAAC grading as well as Program accreditation by NBA both in terms of documentation, rectifying weaknesses and ensuring positive outcomes.

Outcomes:

4. The outcome of the Audit is placed at Annex – 1, the summary of which is as under:

S.No.	School/Dept	Rank during last Audit	% marks achieved in this Audit	Present Rank	Performance descriptor	Remarks
1.	ECE	I	72.0	I	Good	Focus on improving UG & PG Students intake
2.	CSE & IT	II	64.8	III	Satisfactory	Focus on quality research output
3.	Civil Engg.	III	64.6	IV	Satisfactory	Focus on improving UG & PG Students intake
4.	Applied Sciences	IV	58.8	VI	Marginally Satisfactory	Focus on UG & PG students intake, documentation and quality of presentation
5.	ME	V	65.6	II	Satisfactory	Focus on UG & PG students intake and quality research output
6.	SOL	VI	64.4	V	Satisfactory	Enhance efforts to improve admissions at UG level and quality research output
7.	SOM	VII	48.0	VII	Un-Satisfactory	Need to put in substantial efforts to improve presentation, quality of slides, documentation and active participation by faculty

**INTER OFFICE MEMO**Review Date:
01/03/2014

Sheet 1 of 1

Observations:

- The summary of Observations by the Audit team is placed at Annex-1.
- Sequence of the common points enumerated in NAAC SSR report and the evaluator's sheet was not followed across all Schools/ Departments.
- Slides prepared by ECE Department can be followed by all Schools and Departments.
- School of Management and APS Department need to put in substantial efforts on rectifying their weaknesses and standard of presentation and documentation.
- Departments under School of Engineering except CSE need to put in concerted efforts to improve students' intake at UG & PG level.
- Quality of outcome against each attribute assessed and documentation across all Schools and Departments needs to improve so as to achieve a higher NAAC grading than last time.

Dissemination:

2. The individual Schools and departments will be notified of the outcomes and observations.

A handwritten signature in black ink, appearing to read 'Manohar Vasudev', written over a horizontal line.

Wg Cdr Manohar Vasudev (Retd)
COE & CONVENER – INTERNAL AUDIT

OBSERVATIONS DURING INTERNAL AUDIT OF
SCHOOLS/DEPARTMENT FOR NAAC
(07 TO 10 AUG 2018)

CSE

1. No Strategy to fill vacant faculty positions has been spelt out.
2. Department cadre ratio is weak. Vacancy of two Professors continues to exist.
3. No further momentum on existing MOU's or initiative with new Foreign Universities.
4. Average salary package of students offered placement could improve.
5. Course booklet which comprises part of the Faculty activity sheet has been filled up in one sitting instead of on actual activity basis.
6. Log Register in the library though available has not been updated. Thesis and Project reports must be numbered.
7. High Performance Computing lab continues to have low visibility and details of research/ activity being carried out is not available.
8. Awareness of futuristic curriculum like Industry 4.0, a name given to the current trend of automation and data exchange in manufacturing technologies including cyber-physical systems was lacking and needs to be incorporated.

ME

1. Low M. Tech admissions are a cause for worry and efforts to fill the sanctioned strength for BTech program needs to be increased manifold. School students in NCR can be invited for visits to the University and shown the labs/ workshops and ME students projects to kindle their interest.
2. No Ph.D. admission for past two years is again an area of concern. No concerted efforts to address this concern were visible.
3. Course booklet which comprises part of the Faculty activity sheet has been filled up in one sitting instead of on actual activity basis. Register for weak students not maintained.
4. Industry collaborations were observed to be good. Efforts must be sustained.
5. Excellent lab facility exists but not fully utilized due to low students intake at UG and PG level.

EECE

1. Low admissions in B.Tech (29) and M.Tech (01) are a cause for major worry. School students in NCR can be invited for visits to the University and shown the labs/ workshops and ECE student projects to spark their interest.
2. Performance of BTech students in the National GATE exam was low and the Department must make concerted efforts to explain to the students the benefits of qualifying GATE and gaining eligibility for placement in PSUs which are a good option for placement.
3. Placement through Co- Cubes test now mandatory for final year UG students was nil.
4. Department Faculty getting recognition or awards at State or National level was observed to be low.
5. Students getting recognition and awards outside the University were observed to be good.
6. Good number of guest lectures conducted by the Department and efforts must continue.
7. No faculty member featured in the Editorial Board of reputed journals.

Civil Engineering

1. Extremely low BTech program students' intake (07) is cause for concern. Efforts to convince some students admitted in CSE program to opt for Civil engineering as a career option may be explored so that intake is augmented.
2. GATE score of final year BTech students was observed to be good. Students must be counselled and told of the benefits of qualifying GATE so as to gain eligibility and try for placement in PSUs.
3. Faculty attrition has impacted the Department and coupled with low students' intake and is likely to affect functioning in future.
4. CV Department Labs were very well maintained but not fully utilized due to low intake especially at UG level.
5. Increasing the UG program intake is now a critical task and sustained efforts needed in this direction.
6. The HOD made good presentation despite being new and active participation of other faculty was observed.
7. Most placement of final year students have occurred due to Departmental efforts and support from SPA is found wanting.

Applied Sciences

1. Faculty ratio is good but Cadre ratio is weak and can be improved internally.
2. SWOC poorly understood and plans not specific.
3. Scheme of appointing peer tutors was missing which is vital especially in courses like Mathematics I and II.
4. Inability to fill up seats in B.Sc and M.Sc program which are much sought after especially in Government Universities is indicative of a lacuna somewhere which needs to be identified and addressed.
5. POs mapping was observed to be weak.
6. Innovations undertaken by the Department in improving the teaching –learning process and overall functioning of the Department were missed out.
7. Course booklet not maintained as ought to be as well as not filled up as per actual activity taking place.

School of Law

1. No faculty awards / recognition at State or National level and only Seminar sessions chaired.
2. Publications in reputed Law journals were observed to be low coupled with poor research output.
3. Weak understating of meaning of contributions of the School in generation of new knowledge, as such could not be spelt out.
4. Plans of the School appears over ambitious but has actually resulted in reduction of intake of students in BALLB program by almost half.
5. The School needs to have a Professor or Dean to guide them in achieving excellence.
6. Innovations undertaken by the Department in improving the teaching –learning process and overall functioning were missed out.
7. The POs set were not mapped.
8. Stock register for non-consumables was not maintained.

School of Management

1. Presentation by Dean –SOM was non-relevant and did not follow the sequence provided.
2. Impression emerged that he does not have a good grip over the functioning of SOM.
3. Quality of the slides was below par and could have been vastly improved.
4. No focus on questions posed and future plans were verbose and loosely spelt out.
5. Course booklet which is mandatory for each course has not been maintained thus eliminating vital course information, students' academic performance related to Tests, identification of weak students and consequent follow up action by Faculty and HOD. These be procured forthwith and maintained.
6. Stock register for non-consumables was not maintained thus rendering books/ Project reports kept, vulnerable to pilferage.
7. The POs set were not mapped.
8. Faculty turnover was observed to be high and quite a few had joined recently. Large numbers of visiting faculty have been employed compared to permanent faculty.
9. SWOC analysis was poor and not commensurate with ground realities and needs to be reset.
10. Admission is a serious issue in MBA/BA (Hons) in Economics and some concrete steps to augment intake need to be spelt out.
11. Research output was observed to be low.
12. Overall presentation of SOM left much to be desired and steps to remedy the functioning of the School need to be initiated on a war footing.



Action Taken Report

Action Taken Report

The 6th Internal Audit of the Department of Computer Science and Engineering, based on NAAC SSR evaluative report, was conducted by a team consisting of following members from 07 – 10 August 2018:

- a. Prof Prem Vrat (Pro Chancellor) - Chairman
- b. Prof H B Raghavendra (Vice-Chancellor) - Member
- c. Dr C R Prasad (NCU Mentor) - External Member
- d. Prof B K Das(NCU Mentor) - External Member
- e. Wg Cdr Manohar Vasudev (Retd) (COE) - Member & Convener

The observations of the Internal Audit Team and the subsequent action taken by the department are summarized as follows:

1. Observation: No Strategy to fill vacant faculty positions has been spelt out

Action Taken: Department identifies faculty requirements along-with the desired skill set before the beginning of every semester and floats advertisements on the university website for the vacancies created through the HR department. Thereafter, the HR department consolidates the resumes of interested candidates and shares the same with the Head of Department (HoD). HoD reviews these resumes and shortlists candidates who meet the essential requirements in terms of qualification, experience as well as the desired skill set. Later on, the recruitment selection committee composed of Pro-Chancellor, Vice-Chancellor, HoD, HR and a few senior members from the faculty board of the department assess the shortlisted candidates in terms of communication skills, technical skills, fitness for the profession, etc.

Apart from this, from time to time, the department also engages Industry experts to cover courses that require work experience/expertise of professionals from Industry.

2. Observation: Department cadre ratio is weak. Vacancy of two Professors continues to exist.

Action Taken: The department is continuously striving to improve the cadre ratio and bring it at par with the UGC guidelines. The department has hired several new faculty members, for improving the cadre ratio and appointed 2 professors namely, Dr. Kavita Khanna and Dr. Rekha Vig. The cadre ratio is currently 2:3:28. The desired cadre ratio is 4:8:24.

3. Observation: No further momentum on existing MOU's or initiative with new Foreign Universities.

Action Taken: The department has signed 5 new functional MOUs in the AY 2018-2019, 11 in the AY 2019-2020 and 11 more in the AY 2020-2021, in addition to the existing MOUs. These include leading organizations like NTRO, Coding Ninjas, etc.

Further, the department has identified key areas where these organizations could provide support for the upliftment of the department and taken steps to ensure an effective collaboration with these partners. In order to make the relationship meaningful and mutually beneficial for both, the department collaborated with these reputed organizations in various ways like in providing

internships and placements to the students, providing pre-placement assistance like mock interviews, curriculum revision, sponsored research projects, consultancy assignments, students and faculty visit to their offices, industry mentorship for evaluation and guidance in the projects undertaken by the students in various specializations running in the department, and support for hackathons and other competitions.

The department has now also collaborated with Network "n+1" - engineering institutes (France) in 2019, valid for a period of 4 years, in addition to the existing MOUs with Institute of Technology Blanchardstown, Ireland; Michigan Technological University (Houghton, Michigan, USA); SHIBAURA Institute of Technology, JAPAN; University of Chester, UK; University of Dayton and University of Regina, Canada.

University of Dayton also served as a partner institution in the International Conference on Computational Intelligence and Data Science (ICCIDS)-2019 as well as International Conference on Computational Intelligence and Data Science (ICCIDS)-2018, organized by the department.

Further, the university has collaborated with Arizona State University for providing better opportunities to both the students and faculty in terms of academics, research and cultural awareness.

4. Observation: Average salary package of students offered placement could improve.

Action Taken:

Please find below the average salary of students offered placement during last 10 years

Year	Average salary (INR; LPA)
2011	3.1
2012	3.2
2013	3.41
2014	3.58
2015	3.74
2016	3.7
2017	3.8
2018	4.5
2019	4.8
2020	4.79

It is clear from the above table that the average salary of students has improved significantly during the last 5 years.

5. Observation: Course booklet which comprises part of the Faculty activity sheet has been filled up in one sitting instead of on an actual activity basis.

Action Taken: The Department Academic Review Committee (DARC) monitors progress and status of all the academic activities in the department from time to time. This includes completion of faculty course booklets. The same is checked by DARC three times during a semester to ensure that faculty fill the course booklets regularly throughout the semester. DARC also reviews and gives feedback and valuable suggestions for other academic activities too as and when required. All faculty members religiously follow the guidelines laid out to inculcate best teaching learning practices.

6. Observation: Log Register in the library though available has not been updated. Thesis and Project reports must be numbered.

Action Taken: The departmental library maintains a log register and the department has now made it mandatory for everyone visiting the library to record their presence in the log register so that it is continually updated. All the thesis and project reports in the departmental library have been numbered for hassle-free access.

7. Observation: High Performance Computing lab continues to have low visibility and details of research/activity being carried out is not available.

Action Taken: The department has taken steps to increase the visibility of the High Performance Computing Lab like apprising all new faculty and students about the same and helping them understand what kind of projects can be carried out using the same. The department maintains a record of research works that are carried out in High Performance Computing lab along-with their outcome(s) in the form of research paper. Proofs for the same are available in the lab.

8. Observation: Awareness of futuristic curriculum like Industry 4.0, a name given to the current trend of automation and data exchange in manufacturing technologies including cyber-physical systems, was lacking and needs to be incorporated.

Action Taken: The field of computer science has changed very rapidly in the past decade or so, with the introduction of many new and emerging technologies. In an attempt to apprise the students of these new technologies and synchronize the curriculum with the latest industry needs, the department introduced five new specializations and later moved on to seven new specializations in B.Tech (CSE) in the AY 2020-2021 namely Data Science, AI and Machine Learning, Cybersecurity & Forensics, Cloud Computing, Gaming, AR & VR, Full Stack Development and Blockchain. Further, the department introduced two new specializations in M. Tech (CSE) namely Data Science and Cyber security and Forensics.

The curriculum of these specializations has been designed in such a way that apart from offering the core computer science courses to build the core competencies of the students in the field, these specializations have several courses designed specifically to make the students industry ready for high-paying jobs in respective specializations. The department also aids the students in choosing the specialization and career path that aligns with their abilities, technical background, and long-term goals, in order to make the specializations fruitful for the students.

Furthermore, the department has also set up new laboratories and facilities. These include a State of the Art Design Center for showcasing Specializations with contents & projects. Total 15 laboratories having 398 computing devices are present in the department for the use of the students. The desired ratio of 1:4 is satisfied. A GPU based Lab has been set up for Research in upcoming areas. In addition, the department also has CISCO Networking Academy and a High Performance Computing lab.

Overall Remark: The overall remark was to focus on quality research output.

Action Taken: To improve the quality of research, the department has set up a GPU based lab for research in new and emerging technologies. The department has taken steps to increase the visibility of the High Performance Computing Lab like apprising all new faculty and students about the same and helping them understand what kind of projects can be carried out using the same.

The department has published three patents in the year 2020, namely

1. **SYSTEM AND METHOD FOR REDUCING THE ANTENNA RADIATION OF A PORTABLE ELECTRONIC DEVICE-** Ms. Poonam Chaudhary
2. **DEEP LEARNING BASED FRAMEWORK FOR LEATING AND TRACKING OF ABDUCTEE-** Dr. Anuradha
3. **SYSTEM AND METHOD FOR DETECTING A POTENTIAL VEHICLE COLLISION AND PROVIDING ALERT-** Dr. Shilpa Mahajan

The department has published 97 research papers in UGC notified journals in the past 5 years, 149 books and chapters in edited volumes, books published, and papers in national/international conference proceedings during the last five years. The average citation index in the last five years was 5.06.

The Scopus and Web of Science h-index of the faculty are:

Scopus: Max:6, Avg: 2.34

Web of Science: Max: 5, Avg: 1.29

The department has also collaborated with Springer and Turnitin to provide the faculty access to Springer books and journals and a leading plagiarism checking software to aid their research work.



Audit Follow-up Report



INTER OFFICE MEMO

Page 1 of 2

From: HoD ME

To: VC Office

Date: 10 Sep 2018

Follow-up report on 6th Internal Audit of Departments (07 – 10 August 2018)

- **Outcome of the Audit**

- Mechanical Engineering Department secured **2nd position** moving three positions ahead from 5th position in last audit.
- ME Department secured **satisfactory** performance with **65.6 Marks**.
- Remarks: Focus on **UG & PG students intake** and quality research output

Observations During Internal Audit Of Schools/Department For NAAC

1. Low M.Tech. admissions are a cause for worry and efforts to fill the sanctioned strength for B.Tech. program needs to be increased manifold. School students in NCR can be invited for visits to the University and shown the labs/ workshops and ME students projects to kindle their interest.

Action points: To enhance the admissions in the department the following activities have been planned:

- Posters for B.Tech./M.Tech admission to be designed and circulated on social platforms.
 - Articles and blog on topics highlighting department USPs on social platform and media.
 - All faculties to write blogs in their area of expertise.
 - It was suggested to make short videos of our best practices in lab and workshop, experiments.
 - Plan visit to schools and deliver career counselling sessions for school students.
2. No Ph.D. admission for past two years is again an area of concern. No concerted efforts to address this concern were visible.

Action points: To attract Ph.D. admissions from academia and industry.

- Posters for Ph.D. admission to be designed and circulated on social platforms.
 - Faculty to circulate information among industry and academic contacts.
3. Course booklet which comprises part of the Faculty activity sheet has been filled up in one sitting instead of on actual activity basis. Register for weak students not maintained.

Action points: Faculty were advised to regularly fill activity in course booklet and properly maintain the record.

4. Industry collaborations were observed to be good. Efforts must be sustained.

Action point: The department will continue to maintain industry connect by sustained efforts.

5. Excellent lab facility exists but not fully utilized due to low students intake at UG and PG level.

Action point: Labs to be merged/upgraded for better utilization.

(Rohit Singh Lather)

HoD ME



Conferences,
Seminars
&
Workshops
2016-17

Department of Mechanical Engineering

A group of 25 students participated in the SUPRA-SAEINDIA national competition organized by SAEINDIA and Maruti Suzuki Ltd. from 4-9 July 2016 at Buddha International Circuit, Greater Noida. The competition was about design, fabrication, innovation and testing of Formula type racing vehicle. The aesthetics of the NCU vehicle were appreciated at all levels. [MED2016O017]



Vehicle designed by NCU SAEINDIA Team



FDP in progress

talk on 'Solar Photovoltaics', while Prof. Prem Vrat spoke on 'How to Improve Research Productivity'. Prof. Kehar Singh spoke on 'Light with a Twist', Shri JC Kapoor on 'Understanding and Managing Health and Safety Issues of Nano-materials', Padam Shree Prof. Pushpesh Pant on 'Problems in Quality Research', Prof. Amitava Sengupta on 'Atomic Clocks: How do they work and why do we need them', Prof. SK Jain on 'Quality system Requirement of ISO 17025 as applied to Research Laboratory', Ms Praneet Kaur on 'Make a Difference' and Dr Sangeet Srivastava on 'Image Forensics'. The effective videos, impressive presentations and real time examples had immense effect on the audience. A total of 32 faculty members from Dept of APS and CLL participated in the FDP. Prof. AK Yadav gave concluding remarks and a vote of thanks. The programme was coordinated by Dr Sunanda Vashisth, Dr Pranati Purohit and Dr Divyabha Vashisth. [APS2016FO001]

Faculty Activities

- Mr Ashwini Sharma attended a 3D Design summit of Solid Edge organized by Siemens and Sapcon Systems at Crown Plaza, Okhla, Delhi on 15 July 2016. [MED2016WA004]

Mr Sharma is selected as the member of Academic Advisory Board by Fraternity of Mechanical Engineers (FMAE), a national level society involved in improving the degree of learning and the standard of design challenges such as Formula kart design challenge in the country. [MED2016O018]

- Dr K Mathiyazhagan has been nominated as an examiner to evaluate the PhD thesis and was invited to conduct the public viva-voce examination at Anna University, Chennai. [MED2016O019]
- Dr Feras Al-Hakkak visited Honda Cars India factory at Greater Noida on 21 July 2016 to supervise the industrial training of University's Mechanical Engineering students. [MED2016O020]

New Faculty on Board

Mr Kishore Kumar Guru joined the Department as Assistant Professor (Sr Scale).

Ms Arohi Mathur, Mr Mohit Kataria, Mr Sanchit Mewar, Mr Praveen Singh, Mr Satnam Singh and Mr Jag Parvesh Dahiya joined the Department as Assistant Professors.

We welcome them on board.

Department of Applied Sciences

Departmental Activities

Faculty Development Programme

A six-day Faculty Development Programme on 'Enhancing Research and Teaching Capabilities' was jointly organized by Dept of Applied Sciences and Centre for Languages Learning from 1-8 July 2016. Expert lectures were delivered by eminent academicians including Prof. CV Baxi on 'How to Improve Teaching and Learning'. Padam Shree Prof. KL Chopra gave a

Orientation Programme for BSc (Hons) Mathematics and MSc Mathematics

The Department organized Orientation Programme for newly admitted students in BSc (Hons) Mathematics and MSc Mathematics on 23 July 2016. On this occasion, senior faculty members of the Department addressed the newly admitted students. Dr Rashmi Tyagi, HoD congratulated the students for taking the decision opting for Mathematics. She encouraged them to remain disciplined and apprised them of various aspects of the University. Prof. AK Yadav assured the students about giving the best of academic instructions and assisting them in their quest for knowledge and developing key skills for success. The students appreciated the quality and vision of the Department and expressed enthusiasm to learn in this nurturing environment of NCU.



Students during Orientation Programme

Faculty Development Programme on 'Enhancing Research and Teaching Capabilities

Attendance Sheet

(Department of Applied Sciences)

Name of Faculty	Department	Date 01-07-2016	Date 02-07- 2016	Date 03-07-2016	Date 04-07-2016
Dr. Kalika Srivastava	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Hukum Singh	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Pranati Purohit	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Phool Singh	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Ambika Devi	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Dipti Vaya	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Sangeet Srivastava	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Sunita Sharma	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Bharti Arora	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Tejpal Singh Chundawat	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Aditya Sharma Ghrera	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Amita Bhagat	APS	[Signature]	[Signature]	[Signature]	[Signature]
Prof. Pramila Goyal	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Anshu Malhotra	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Sushil Kr. Jain	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Sanjay Yadav	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Ramu Dubey	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Sunanda Vashisth	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Rashmi Tyagi	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Kamlesh Sharma	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. A K Yadav	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Srijanani A. Prasad	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Deepika Rani	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Gaurav Gupta	APS	[Signature]	[Signature]	[Signature]	[Signature]
Prof. Prabha Sharma	APS	[Signature]	[Signature]	[Signature]	[Signature]

Faculty Development Programme on 'Enhancing Research and Teaching Capabilities

Attendance Sheet

(Department of Applied Sciences)

Name of Faculty	Department	Date 05-07-2016	Date 06-07-2016	Date 07-07-2016	Date 08-07-2016
Dr. Kalika Srivastava	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Hukum Singh	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Pranati Purohit	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Phool Singh	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Ambika Devi	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Dipti Vaya	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Sangeet Srivastava	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Sunita Sharma	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Bharti Arora	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Tejpal Singh Chundawat	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Aditya Sharma Ghrera	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Amita Bhagat	APS	[Signature]	[Signature]	[Signature]	[Signature]
Prof. Pramila Goyal	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Anshu Malhotra	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Sushil Kr. Jain	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Sanjay Yadav	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Ramu Dubey	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Sunanda Vashisth	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Rashmi Tyagi	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Kamlesh Sharma	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. A K Yadav	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Srijanani A. Prasad	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Deepika Rani	APS	[Signature]	[Signature]	[Signature]	[Signature]
Dr. Gaurav Gupta	APS	[Signature]	[Signature]	[Signature]	[Signature]
Prof. Prabha Sharma	APS	[Signature]	[Signature]	[Signature]	[Signature]

Department of Applied Sciences**Workshop**

Dr Anshu, Dr Deepika Rani and Dr Phool Singh conducted a workshop on 'Report Writing in LaTeX' on 22 March 2017. The workshop was intended for graduate, post-graduate, PhD students and faculty members of all branches who are not familiar with LaTeX and need to use LaTeX at some point to write their thesis or research papers/reports. The objective of the workshop was to provide a broad overview of the basic concepts, operational algorithms and recent theories related to LaTeX. The workshop was attended by 50 students and faculty of the University.

Dr Sandeep Nagar, G D Goenka University, Gurugram also delivered a lecture in the workshop. The students were given hands on training to prepare their final year dissertations in LaTeX.

The participants realized the advantages of LaTeX, and learnt to prepare documents, technical papers, presentations, project reports and thesis in LaTeX and were exposed to authoring of academic/research papers for professional societies in LaTeX. (APS2017WO001)

**Departmental Activities****Visit to Open House-2017 at IIT Delhi**

- An educational trip for BTech CSE 1st Year students to the annual Open House-2017 at IIT-Delhi was organized on 22 April 2017. A group of 15 students visited the exhibition and research facilities available at IIT Delhi. Key highlights were earthquake simulators, bipolar charge plasma transistor, robotic research, smart cane, next generation wireless communication, advanced polymeric material and processing, particulate air pollution and effects on heart, design of unmanned underwater vehicles, etc. The aim of the visit was to make students capable of designing and implementing projects for future innovations. The event was taken up under the initiative of Dr Kamlesh Sharma, Assistant Professor, Chemistry section of Department of Applied Sciences. (APS2017V002)
- A parallel trip to the Open House-2017 at IIT Delhi was organized by Dr Rashmi Tyagi, Associate Professor, for BTech ME 3rd Year students on 22 April 2017 for project work in the course on Environmental Studies. Main attractions of the event were showcasing of latest developments in technology and engineering and interaction with students from IITD. The session included a painting and drawing competition on cyber security awareness and an energy quiz competition to test general knowledge and create awareness in the field of energy and environment. There were



sessions on industry interaction and talks on 'After class 12, is engineering my option?' and 'I am doing engineering, now what?' by Professor Subrat Kar, Department of Electrical Engineering, IIT-Delhi. (APS2017V003)

Faculty Activities

- Dr Seema Thakran attended the National Workshop on Mathematical Modelling and Computational Techniques using Mathematica from 30-31 March 2017 at the Zakir Hussain College, University of Delhi. Mathematical modelling is an interdisciplinary subject in which specialists from diverse fields share their knowledge and expertise to improve the existing behaviour of the systems and introduce mathematical modelling and computational techniques with simulation using Mathematica to represent real world problems in various disciplines. This programme also provided a platform to exchange ideas of common interest among the participants. (APS2017WA002)
- Dr Sunita Sharma participated in the National Workshop on Thin Films held at the School of Basic Science and Research at Sharda University, Noida from 17-18 Feb 2017. Lectures by industry experts and researchers covered different aspects of thin film deposition from basics to advanced techniques. The workshop gave hands-on practice on thin film deposition by vacuum coating unit, spin coating, screen printing and electro deposition



techniques. Various aspects of fabrication of different types of solar cells were discussed. (APS2017WA003)

An invited talk was delivered by Dr Sunita Sharma in the National Conference on Functional Materials: State of Art (NCFM-2017) at Sharda University, Noida from 31 March to 1 April 2017. She

presented her work on 'Dye sensitised solar cells: from provenance to recent drifts'. The session ended with a good response from participants and scientists especially theoreticians showing their interest for collaboration. (APS2017IT001)

- Dr Srijanani A Parsad, Dept of APS has been invited to attend the 6th Conference on 'Analysis Probability and Mathematical Physics on Fractals' at Cornell University, Ithaca, USA from 13–17 June 2017. She will also be giving a talk during the conference

Mentor-Mentee Interaction

- Prof. KL Chopra visited the University on 21 April 2017. Prof. Chopra was one of the eminent judges to evaluate students' projects in 'Technovation- the Project Day'. He also interacted with Ms Chetna Tyagi and gave her valuable inputs for completion of her PhD work. Dr Ambika Sharma also participated in this discussion. (APS2017O005)



Prof. Kasturi Lal Chopra
Padma Shri

BSc (Hons), MSc, PhD
FNA, FASc, FNASc, FNAE,
DSc(hc)

Former Director, IIT Kharagpur
SS Bhatnagar Awardee

- Prof. IK Varma visited NCU on 13 April 2017 to mentor faculty members of Chemistry. She discussed new research proposals from various funding agencies. She also suggested that faculty members should focus on interdisciplinary research. She visited the Chemistry Lab and monitored various lab activities and the evaluation system of Chemistry practical exam. (APS2017O006)



Prof. Indira K Varma

MSc, DPhil, PhD, DSc,

Glasgow University

Honorary Doctorate Degree

- Faculty Mentor, Prof. Kehar Singh, Hony Distinguished Research Professor visited the Department of APS to guide PhD research scholars and faculty members on 30 March 2017 and 21 April 2017. Prof. Singh discussed various topics on Optical Image Processing and other emerging areas. He visited the Holography lab and suggested purchase of required optical components. (APS2017O008)



Prof. Kehar Singh

Ex-Dean & Emeritus Fellow,

IIT Delhi

SS Bhatnagar Awardee

Guest Lectures

The Department organized two lectures by Prof. Ajit Iqbal Singh, Emeritus Scientist, The Indian National Science Academy, New Delhi on 19 April 2017 to celebrate Mathematics – Statistics awareness month. The first lecture was attended by MSc 1st Year and final year BSc students. The topic of the lecture was 'Injectivity versus surjectivity and multipliers versus quotient rings in matrices, function algebras and operator algebras'. The lecture began with linear maps on finite dimensional space where injectivity and surjectivity are obtained from one another. It proceeded with the definition of a new term 'surjunctivity' of maps on any space. The lecture concluded with definitions and properties of multipliers and quotient rings of

algebra. The students participated actively and benefited by asking questions.

The second lecture by Prof. Ajit Iqbal Singh was delivered on the topic 'Fair Division' to undergraduate students. The notion of fair division was explained through daily examples like cake cutting, work allocation, dividing property, etc. The mathematical aspect of convexity, latin squares, magic numbers, magic squares were also introduced and explained to the students in an interesting way. (APS2017O007)

Centre for Languages Learning

Altercation – The Great Debate

Altercation, a debating competition organized and coordinated by Abhivyakt, the debating society of NCU is organized every semester. This semester it was an inter-departmental event. The motion of debate was 'This house believes that the practice of the identity politics promotes equality and unity instead of disintegration'. The event was judged by Dr Divyabha Vashisth and Dr Payal Khurana and adjudicated by founder members of Abhivyakt Society, Sachin Rajawat and Sukrit Sharma. The debate was honoured by the presence of the Pro Vice- Chancellor, Brig SK Sharma (Retd).

The debate witnessed exuberant participation from all Departments and Schools. A preliminary round was organized to scrutinize the participants on 21 April 2017. The debaters participated in departmental teams of two: one-for and one-against the motion. They displayed extraordinary eloquence and thorough research of the topic. The results:

Rahul Ghosh and Rishika Deswal, School Of Management stood First and were awarded a cash prize of Rs 2000.

Nobel Robinson and Pragma Sharma, School Of Law, stood Second and were awarded a cash prize of Rs 1000.

Best interjections were also awarded with mementoes.

Sahil Bansal and Akshat Mathur were the student coordinators and Dr Divyabha was the faculty coordinator of the event. (CLL2017O009)



'YUMS - Yes, U May Speak'

'YUMS - Yes, U May Speak' organized a two-day literary fest on 6 and 7 April 2017. The events were moderated and judged by the founder members of Abhivyakt Society - Sachin Rajawat, Sukrit Sharma, Akshat Mathur and Sahil Bansal.

In the first event 'Extempore' the topics were witty in nature and demanded creativity from the participants. All the speakers exuded confidence and humour, keeping the audience involved as well as entertained. Siddharth Saxena was the winner and Radhika Agrawal was the Runner-up. The event 'Open Mic' was a casual event with no judging or competition. Students showcased their calibre in stand-up comedy, poetry recitation, voiceovers, singing etc.

Workshop on Report writing in Latex
Attendance Sheet
(Department of Applied Sciences)

Name of Faculty	Department	Date
Dr. Seema Thakran	APS	22-03-2017 Seema Thakran
Dr. Kalika Srivastava	APS	KS
Dr. Hukum Singh	APS	Hukum Singh
Dr. Pranati Purohit	APS	Pranati Purohit
Dr. Phool Singh	APS	Phool Singh
Dr. Ambika Devi	APS	Ambika Devi
Dr. Dipti Vaya	APS	Dipti Vaya
Dr. Sangeet Srivastava	APS	SS
Dr. Sunita Sharma	APS	Sunita Sharma
Dr. Bharti Arora	APS	Bharti Arora
Dr. Tejpal Singh Chundawat	APS	Tejpal Singh Chundawat
Dr. Aditya Sharma Ghrera	APS	Aditya Sharma Ghrera
Dr. Amita Bhagat	APS	Amita Bhagat
Prof. Pramila Goyal	APS	Pramila Goyal
Dr. Anshu Malhotra	APS	Anshu Malhotra
Dr. Sushil Kr. Jain	APS	Sushil Kr. Jain
Dr. Ramu Dubey	APS	Ramu Dubey
Dr. Sunanda Vashisth	APS	Sunanda Vashisth
Dr. Rashmi Tyagi	APS	Rashmi Tyagi
Dr. Kamlesh Sharma	APS	Kamlesh Sharma
Dr. A K Yadav	APS	A K Yadav
Dr. Srijanani A. Prasad	APS	Srijanani A. Prasad
Dr. Gaurav Gupta	APS	Gaurav Gupta
Prof. Prabha Sharma	APS	Prabha Sharma
Prof. Kehar Singh	APS	Kehar Singh

Mr Manoj Paweria, Senior Manager, Taikisha India Ltd, Gurugram delivered a lecture on the topic ‘Application of CAD/CAM & CAE in industries’. He spoke about eliminating costly prototyping by evaluating the various robot movements and paint parameters in the digital environment, thus leading to an optimum result. The FDPs were co-ordinated by Dr. Pramod Bhatia, Mr Sanchit Mewar, Mr Praveen Singh. (MED2017FO001)

Project Bamboo Bicycle ranked 3rd at Technovation

Two BTech students Mudita Gupta and Siddharth Jain took up the challenge of using bamboo to make a bicycle as their final year project and guided by Dr Feras Al-Hakkak and Mr Anuj Kumar Jain. The frame of the bicycle was made of bamboo with specially developed steel junctions. The bicycle was tested by riding on bumpy roads for several km in Sector 23. It is comfortable and light. The project was ranked 3rd among 20 projects exhibited at Technovation in May 17 and short listed as one of the four projects for the best BTech project of the year.



Department of Applied Sciences

Faculty Development Programme

A six day Faculty Development Programme was organized by the Dept of APS from 5-10 June 2017 with a focus on the state-of-the-art tools for learning processes and research. The overall goal of the FDP was the enrichment of the faculty and to learn SCILAB for the lab component of Mathematics-I introduced in the curriculum of BTech. Sessions on latest tools for research such as Mendeley and Science Direct were conducted by experts from eminent institutes.

The FDP started with a brief talk about its layout, activities and sessions planned, by Dr Ambika Devi, Head, Dept of APS followed by the 1st technical session on ‘Introduction of SCILAB software tool’ by Dr Sangeet Srivastava. He discussed the use of SCILAB, introduced the basics of SCILAB tool and through practicals and hands-on session helped faculty gain understanding of the software. Dr Gaurav Gupta took a hands-on session on SCILAB and showed the practicals that are being introduced in the forthcoming semester.



Dr Harish Narang speaking on Language, Culture & Society

Prof. Harish Narang delivered a lecture on ‘Language, Culture and Society’ and discussed the need to understand language, culture, society and hence, prioritize for them. Dr Umesh Sharma, Scientist E, Department of Science and Technology, New Delhi spoke about various funding schemes and Dr Subhra Dutta, Elsevier spoke about ‘Awareness of SCOPUS and other tools for research management’. Dr Dutta

introduced three research tools in her lecture namely, Science Direct, Scopus and Mendeley. These platforms/ software were discussed with a live session using the tools.



Dr Shubhra Dutta, Elsevier, discussing tools for research management

Dr Ambika Devi conducted an interesting session on ‘Central Research Facility’. This was followed by a brainstorming session on ‘Effective pedagogy for Mathematics courses’ by Prof. R K Sharma of IIT Delhi. A talk on ‘Simulation for Physics, Chemistry and Mathematics’ was delivered by Prof. R K Puri. He spoke on the Monte Carlo simulation required for physical processes through examples of simulation which can be used in almost all fields of science. Dr Phool Singh conducted a session on Latex and the Microsoft team on ‘Office 365’ and in the last FDP session Dr A K Yadav shared his experience of Classes of 90 minutes duration. [APS2017013]

Centre for Languages Learning

Faculty Development Programme

A Faculty Development Programme on ‘Emerging Trends and Challenges in Teaching’ was organised by the Centre for Languages Learning (CLL) from 5-10 June 2017. Eminent academicians delivered expert lectures, such as Prof Harish Narang on ‘Language, Culture and Society’, Ms Kritika Gupta and Ms Vinita Upreti on ‘YOGA and effective teaching’.

Internal experts Prof Prem Vrat delivered a lecture on ‘Training For PhD Guides’, Brig SK Sharma (Retd) on ‘Orientation session on effective teaching and curriculum design’, Dr Anil Mishra on ‘Research Publication and API Scores’, Dr Sushmita Wariach on ‘Driving individuals towards creative excellence’, Dr Kanu Priya on ‘Gender Discrimination’ and Mr Bilal Ahmed on ‘Muslim Laws’. There was Webinar on Preparing Learners for the 21st Century, 3 Key Interpersonal Skills You Need at Work Today.

The aim of the FDP was to motivate and inspire faculty members and enrich the learning process. The experts helped participants understand that the most important way to enhance learning is by strengthening and updating content knowledge and what we teach and how we teach are inextricably linked and dependent on each other. (20172017FO001)



FDP on focus on the state-of-the-art tools for learning processes and research. (SCILAB)

Attendance Sheet

(Department of Applied Sciences)

Name of Faculty	Department	Date 05-06- 2017	Date 06-06- 2017	Date 07- 06- 2017	Date 08-06- 2017	Date 09-06- 2017	Date 10-06- 2017
Dr. Seema Thakran	APS	Seema Thakran	Seema Thakran	Seema Thakran	Seema Thakran	Seema Thakran	Seema Thakran
Dr. Kalika Srivastava	APS	A	A	A	A	A	A
Dr. Hukum Singh	APS	H/S	H/S	H/S	H/S	H/S	H/S
Dr. Pranati Purohit	APS	Pu	Pu	Pu	Pu	Pu	Pu
Dr. Phool Singh	APS	P Singh	P Singh	P Singh	P Singh	P Singh	P Singh
Dr. Ambika Devi	APS	A Devi	A Devi	A Devi	A Devi	A Devi	A Devi
Dr. Dipti Vaya	APS	DV	DV	DV	DV	DV	DV
Dr. Sangeet Srivastava	APS	SS	SS	SS	SS	SS	SS
Dr. Sunita Sharma	APS	S	S	S	S	S	S
Dr. Bharti Arora	APS	B	B	B	B	B	B
Dr. Tejpal Singh Chundawat	APS	Tejpal	Tejpal	Tejpal	Tejpal	Tejpal	Tejpal
Dr. Aditya Sharma Ghrera	APS	A	A	A	A	A	A
Dr. Amita Bhagat	APS	A	A	A	A	A	A
Prof. Pramila Goyal	APS	P	P	P	P	P	P
Dr. Anshu Malhotra	APS	Anshu	Anshu	Anshu	Anshu	Anshu	Anshu
Dr. Srijanani A. Prasad	APS	SP	SP	SP	SP	SP	SP
Dr. Gaurav Gupta	APS	G. Gupta	G. Gupta	G. Gupta	G. Gupta	G. Gupta	G. Gupta



Seminar on 'Role of Intellectual Property Rights in Promoting Innovation and Commercialization of Technology'

School of Management in collaboration with PHD Chamber of Commerce and Industry and MSME organised a seminar on 'Role of Intellectual Property Rights in Promoting Innovation and Commercialization of Technology' on 10 Nov 2016. The seminar highlighted the significant role played by intellectual property rights in helping a business gain and retain its innovation-based advantage. The seminar focused equally on the importance of converting an innovation into a commercially viable product. The speakers and the delegates from PHDCCI made the seminar enriching, taking students through an array of live cases and examples from the industry. The Q & A session was very interactive. The seminar was coordinated by Dr Sushmita Biswal Waraich along with MBA students Vimal Dahiya, Sheetal Tiwari and Jatin Arora

Attendance Sheet

Roll No	FirstName
16MBA001	ABHISHEK
16MBA002	ADITYA
16MBA003	AKASH
16MBA004	ANANYA
16MBA005	ANKIT
16MBA006	ASHIMA
16MBA007	BHUPESH
16MBA008	DIKSHANT
16MBA009	DIVYA
16MBA010	GARIMA
16MBA011	HARSH
16MBA012	HEENA
16MBA013	HIMANSHU
16MBA015	KAJOL
16MBA016	KALPANA
16MBA017	KARISHMA
16MBA018	KOMAL
16MBA019	KOMAL
16MBA020	MINTI
16MBA021	MITASHA
16MBA023	MOHIT
16MBA024	MOHIT
16MBA025	NITISH
16MBA026	OM PRAKASH
16MBA027	PREETI
16MBA028	PRERNA
16MBA029	PRITI
16MBA031	SAKSHI
16MBA032	SANDEEP
16MBA034	SARVESH
16MBA035	SHIVAM
16MBA037	SRUTHI
16MBA038	VIPUL
16MBA039	VRINDA
15MBA001	ABHILASH SONY
15MBA002	ABHINAV JAIN
15MBA003	AKSHAY JAIN
15MBA004	AMARJEET DESWAL

15MBA006	ARTI TOMAR
15MBA007	ARUSHI MEHTA
15MBA008	BALBIR
15MBA009	BHARTI KAUSHIK
15MBA010	BHAWNA NANGIA
15MBA011	DEEPAK KUMAR
15MBA012	DEEPAK VATS
15MBA013	DEEPALI GOYAL
15MBA014	DEEPIKA
15MBA015	DEEPIKA GARG
15MBA016	DEVASHISH DHAYBHAI
15MBA017	DIVYA JHAMB
15MBA018	JATIN ARORA
15MBA025	PRITY SHARMA
15MBA026	PRIYA BHARGAVA
15MBA027	PRIYA SEJWAL
15MBA028	SAGARPREET SINGH SONI
15MBA029	SHAINA MEHTA
15MBA030	SHEETAL TIWARI
15MBA031	SHREYA KALOO
15MBA032	SHRISTY HARYSON
15MBA036	SMRITI KOTHARI
15MBA037	SUBHAM AGARWAL
15MBA038	TUSHANT SATIJA
15BBA001	AASHISH GAUBA
15BBA002	ABHAY SHARMA
15BBA004	ADITYA
15BBA006	AINESH JAIN
15BBA008	AKSHAT BANSAL
15BBA009	AKSHAY CHAWLA
15BBA011	AMRITESWAR PRATAP SINGH
15BBA012	ANKIT SONI
15BBA013	ANKUR
15BBA014	Bhavna Chauhan
15BBA015	BHAWNA YADAV
15BBA016	Deepanshu Agrawal
15BBA017	Deepanshu Kataria
15BBA018	DEEPANSHU SINGHAL
15BBA019	DEEPESH NAGPAL

15BBA020	Dheeraj Ahuja
15BBA021	Earnsh Jain
15BBA022	GARIMA SINGH
15BBA024	GUNIKA WALIA
15BBA025	Gunjan shrivastava
15BBA036	Kajol Narula
15BBA037	KANISH CHAUHAN
15BBA038	KARANJIT SINGH
15BBA039	KIRTI
15BBA040	KRIKA KUMAR
15BBA041	LAKSHIT KISHORE GOEL
15BBA042	LOKESH KADYAN
15BBA043	LOVIKA SHARMA
15BBA044	MANSI JAIN
15BBA045	Mansi Tiwari
15BBA046	MAYANK TANEJA
15BBA048	MOHIT MADAN
15BBA049	MUKUL RAGHAV
15BBA050	MUKUL SAHU
15BBA051	NAMAN SETH
15BBA052	NEHA BHARDWAJ
15BBA053	NIKHIL RANGWANI
15BBA054	OMKAR AHUJA
15BBA055	PALAK





Conferences,
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2017-18

Orientation FDP for new faculty members

The NorthCap University organized a Faculty Orientation Programme to interact with all new joiners on one common platform on 9 August 2017. The programme acquainted the new faculty members with key aspects of processes and their functioning in various domains. Members were given a warm welcome and were motivated to become effective teachers by Prof. Prem Vrat, Pro-Chancellor and Brig. SK Sharma (Retd), Pro Vice-Chancellor. They shared their valuable insights on the teaching profession citing personal examples, faculty development, teaching effectiveness and expectations from the new faculty. They stressed that whoever adopts the profession of a teacher assumes the obligation to conduct himself/herself in accordance with the ideals of the profession.

Members were apprised of the key schemes and faculty specific activities like Mentoring Scheme, Appraisal Process, Outreach Activities, Internships etc. It was followed by an Invited Talk by eminent academic, Prof Ajoy Ghatak who spoke on the topic 'How to make teaching better'. From his vast experience he shared valuable tips with the new faculty and the relevance of using examples, videos, animations etc to make their lecture interesting and engage students in a better manner.

Key University level activities like: HR policies, ERP, RDIL and Online tests were shared. The FDP was well received as vital aspects were addressed from the faculty's point of view. The session concluded with Dy Manager (HR) welcoming the new faculty to the NCU family and wishing them good luck in their future endeavours.



Science Academies' Summer Fellowship Programme at NCU

The three science academies in India viz., the Indian Academy of Sciences, Bengaluru; Indian National Science Academy, New Delhi and The National Academy of Sciences jointly award several prestigious Summer Research Fellowships (SRF) to science and engineering students and teachers to work on short-term projects with the 'Academy Fellows' during two months every year, since 2007. Student Biswadeep Chakraborty, Jadavpur University came to NCU under the special SRF scheme and worked at The NorthCap University (NCU), Gurugram under Dr Amitava Sen Gupta, Hon. Distinguished Research Professor, NCU from 15 May to 8 July 2017.

Biswadeep Chakraborty's work comprised of a technique of locating the shooter using wireless sensor networks. This is a theoretical simulation study to be followed up with some experimentation once the WSN experiments get going. Faculty member Ms Kusum Grewal, Dept of

EECE, NCU mentored Biswadeep for technical knowledge sharing regarding wireless sensor networks and its implementation using MATLAB simulator.

Faculty is advised to encourage our students to apply for similar Summer Fellowship programmes, the details of which can be accessed at www.ias.ac.in

NCU student proceeding for higher studies to ITB, Dublin, Ireland



Antariksh Anand
(13CSU143),
BTech CSE
(Class of 2017).

Student Antariksh Anand (13CSU143), BTech CSE (Class of 2017) is proceeding to the Institute of Technology, Blanchardstown (ITB), Dublin, Ireland, for MSc in Computing in Applied Cyber Security under the Partnership Agreement between The NorthCap University and ITB, Ireland. Under this arrangement he is getting 40% fee concession at ITB. We wish Antariksh a fruitful and productive stay abroad and success in his future endeavors.

Under the NCU-ITB collaboration, eleven NCU students have earlier studied at ITB, Dublin, under various exchange options. Students from the Departments of CSE, ME and EECE can avail these options for which notifications are made every January by the Dean's Office, NCU. Mr Manoj Kumar Gopaliya, Dept of Mechanical Engineering is the NCU-ITB Collaboration Coordinator.

Training session on Central Research Facility (CRF)

A training programme was organized for faculty and research scholars in the use of various advanced and analytical instruments for research in the University's Central Research Facility (CRF) on 5 August 2017. The session started with an overview of the research facilities available at NCU by Dr Ambika Devi, Head, CRF. The trainees visited CRF where the working of various research instruments like SEM, UV-Vis spectrophotometer, vacuum coating unit, spin coating etc and its applications were demonstrated and explained by Dr Ambika Devi and Dr Sunita Sharma. It was followed by a brain storming session on the usage of the existing facility for interdisciplinary research.





Guest lecture on ‘Unlocking Value through Creativity

With the objective of enriching classroom learning, SOM organized a guest lecture on ‘Unlocking Value through Creativity, Innovation and Entrepreneurship’ by Mr Vijay Rai, Managing Director (Asia Pacific and EMEA Markets), Saviour US Inc. on 15 Nov 2017 for BTech students. He helped the students understand that technology in itself is only an enabler. An understanding of society and business is very important for innovation to happen. Creativity and innovation are essential requirements in today’s volatile, uncertain, complex and ambiguous business environment. He cited examples from his own and other organisations. This session was coordinated by Dr Sushmita Biswal Waraich. [SOM2017G004]

Attendance Sheet

ROLL NO.	NAME
15CSU001	AADISH GOEL
15CSU002	AADITA GANDHI
15CSU133	NIMIT BADAQ
15CSU134	NISHA CHOUDHARY
15CSU168	PURNA RUSTAGI
15CSU169	PURNIMA YADAV
15CSU170	RACHITA GUPTA
15CSU177	RAJAT WADHWA
15CSU199	SAHIL SHARMA
15CVU018	NISHANT MALIK
15CVU019	NISHANT THAKUR
15CVU020	PARAS SHARMA
15CVU021	PARTH
15CVU022	PARTH PULYANI
15CVU023	PULKIT CHOUDHRY
15CVU024	SAHIL SHARMA
15ECU021	GAURAV SHINGWANI
15ECU022	ISHA GUPTA
15ECU023	ISHITA
15ECU024	ISHU CHAUHAN
15ECU025	JATIN CHAWLA
15ECU026	KARTIK SIKKA
15ECU027	MAYANK YADAV
15ECU028	MOHIT JOSHI
15ECU029	MONALI KAR
15ECU030	NAMAN FULARA
15ECU031	NAVNEET DIXIT
15ECU032	NIKHIL AHLAWAT
15ECU033	NISHANT VASHISTHA
15ECU034	PIYUSH YADAV
15ECU035	PRABHDEEP SINGH
15MEU055	NEEL SHANKER DIXIT
15MEU056	NIKHIL JUNEJA
15MEU092	VINAYAK SACHDEVA
16CSU004	AARUSH GUPTA
16CSU005	AARUSHI SHARMA
16CSU053	ANUBHAV YADAV

16CSU086	BHUWAN DUTT
16CSU087	CHARISHA PHIRANI
16CSU088	CHENNA SAICHANDAN RAJ
16CSU115	GAGANDEEP SINGH
16CSU116	GARVIT GROVER
16CSU117	GARVITA KALRA
16CSU118	GAURAV BAJAJ
16CSU214	MOHIT TYAGI
16CSU215	MOHIT VIRMANI
16CSU216	MRIDUL KHATRI
16CSU217	MRINAL GOEL
16CSU247	PIYUSH MITTAL
16CSU248	PIYUSH NAYYER
16CSU249	PRABHNOOR SINGH
16CSU250	PRADEEP
16CSU251	PRAGYA GERA
16CSU252	PRAGYANSHI SRIVASTAVA
16CSU313	SACHIN YADAV
16CSU314	SAGAR DALAL
16CSU438	SNEHA BANSAL
16CVU002	ABHINAV SHARMA
16ECU034	KUNAL GUPTA
16ECU035	KUNAL SANGWAN
16ECU036	MANEK SETH
16ECU037	MANNAT AHLUWALIA
16ECU038	MUSKAN RAI
16ECU039	NAMAN ARORA
16ECU040	NIHARIKA LOHAN
16ECU041	PANKAJ
16ECU042	PANKAJ JANGHU
16ECU043	PARVESH YADAV
16ECU044	PIYUSH BAWEJA
16ECU045	PRACHI ASWAL
16ECU078	VIPUL GARG
16ECU079	VIPUL GUGLANI
16ECU080	VITESH KHANNA
16MEU013	ARUN DORATA
16MEU014	ASHISH GOYAL
16MEU015	AYUSH YADAV

16MEU016	DAKSH KUMAR
16MEU019	DEEPANSHU CHECHI
16MEU020	DHRUV KAMRA
16MEU062	SHANTANU SODHI
17CSU084	IFFAT AARA
17CSU085	ISHANT YADAV
17CSU086	JASLEEN KAKKAR
17CSU087	JAYANT KATARIA
17CSU088	KARTIK LUTHRA
17CSU089	KASHISH TAYAL
17CSU090	KAUSHAL KISHORE
17CSU098	MAHIMA MUNJAL
17CSU099	MANAV RAWAT
17CSU100	MANDEEP SINGH
17CSU101	MANIT KAKKAR
17CSU137	PRABAL GOYAL
17CSU138	PRAJWAL SEHRAWAT
17CSU139	PRAKHAR BHATNAGAR
17CSU140	PRANAV JAIN
17CSU141	PRATEEK RAJPAL
17CSU143	PRERNA PATHAK
17CSU144	RAHUL





Conferences,
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the challenges in the Civil Engineering profession and shared various career options available to Civil Engineering graduates. He extended his guidance to the students for internship and project work.

Er. P Surya Prakash has established M/s SatyaVani Projects and Consultants Pvt Ltd and is also the Founder and Mentor of Smart Infr-EST, a trust dedicated to Civil Engineering for enhancing employability. (CEE2018G004)

Department of Applied Sciences

Guest Lecture

A lecture on 'Data Analysis' was delivered by Ms Nishtha Madaan, Senior Research Software Engineer, IBM India Research Lab, to BTech 3rd & 4th Year, BSc Maths (H) and MSc Maths students on 4 Oct 2018. She explained Data analysis concepts like pre-processing on Excel files, identifying outliers using scatter plot and histograms. Ms Madaan highlighted feature selection methods and briefed about classification techniques used in Machine Learning (ML). She shared her experience of working on projects on ML and motivated students to use Watson API's for their project work. The lecture was coordinated by Dr Anshu Malhotra and Ms Shilpa Jain. (APS2018G002)



Workshop

A workshop on 'MATLAB' for Engineering Mathematics I course was organized for faculty members of the Department which was conducted by Dr Seema Thakran and Dr Anshu Malhotra on 16 Oct 2018. The objective of the workshop was to provide a broad overview of the basic concepts and practicals related to Engineering Mathematics I course such as how to enter matrix, algebra of matrices, determinant, inverse, double integration, area and plotting of curves (2D, 3D) etc. Participants received hands-on training on practicals of MATLAB. (APS2018O034)

Mentor-Mentee Interaction



Prof. Kehar Singh
Ex-Dean & Emeritus Fellow,
IIT Delhi
SS Bhatnagar Awardee

- Faculty Mentor, Prof. Kehar Singh, Hony Distinguished Research Professor, visited the Department of APS to guide PhD research scholars and members of the faculty of the Depts of APS, CSE and ECE on 29 Sept 2018. Prof. Singh motivated them for research and about good publications in reputed journals. He discussed their research work and also topics on optical image processing and other emerging areas. He suggested simulation work like recording and reconstruction of holograms in the Holography Lab. (APS2018O033)



Prof. Kasturi Lal Chopra
Padma Shri
BSc (Hons), MSc, PhD
FNA, FASc, FNAsc, FNAE,
DSc(hc)
Former Director, IIT Kharagpur
SS Bhatnagar Awardee

- Faculty Mentor, Padma Shri Prof. KL Chopra, visited the Department of APS to guide PhD research scholars and faculty members on 25 Sept 2018. Faculty members and research scholars of the Department interacted about their current research work. Prof. Chopra motivated them for research on topics like super capacitors, fly ash etc. He also encouraged mentees to write project proposals and submit to various funding agencies. (APS2018O036)

Industrial/Educational Visit

Students of BSc Physics (H) accompanied by Dr Sunita Sharma and Dr Pranati Purohit visited the National Physical Laboratory, Delhi on 28 Sept 2018. Students interacted with scientists and visited Pulsed Laser Deposition, Nanostructure and Biomass Fuel laboratories. Students were able to correlate theory with their technological applications. They witnessed the deposition of thin film using latest technology i.e. Molecular beam epitaxy and detection of percentage of elemental composition of waste of flyash. The visit was coordinated by Dr Sunita Sharma. (APS2018I004)

Faculty Activity

Dr Sunita Sharma visited Guru Jambheshwar University of Science & Technology (GJUS&T), Hisar from 22-23 Oct 2018. She discussed with the professors about the experimental set up of Z-scan, bistability of samples as well as various schemes for BSc Physics (H) students. Collaboration has been initiated with the Laser Lab, Dept of Physics, GJUS&T. (APS2018I005)



Department of Mechanical Engineering

Workshop



A workshop on 'Hands-on AutoCAD-3D' was conducted by CADD Centre, Gurugram, on 12 Oct 2018 for 2nd Year ME students. They got hands-on experience on the software which was followed by a quiz. The students who cleared the test were also motivated to participate in a national level competition which will be conducted by CADD Centre. The workshop was coordinated by Mr Anmol Bhatia, Assistant Professor. (MED2018WO002)

Seminar

A seminar on Advanced Manufacturing Tools used in industries was conducted by GROZ Industries for BTech students on 26 Sept 2018. Starting a career in the field of tools from which other mechanical units are governed, was emphasized. Students were briefed about various mechanisms and developments in the tools industry and how GROZ is playing a challenging role in the development of tools. There were practical demonstrations and hands-on training on latest tools and equipment like Industrial Equipment, Fluid Handling

Workshop of MATLAB
Attendance Sheet
(Department of Applied Sciences)

Name of Faculty	Department	Date
Dr. Seema Thakran	APS	16-10-2018 <i>Seema Thakran</i>
Dr. Kalika Srivastava	APS	<i>Kalika</i>
Dr. Hukum Singh	APS	<i>Hukum Singh</i>
Dr. Sangeet Srivastava	APS	<i>SS</i>
Dr. Sunita Sharma	APS	<i>S</i>
Dr. Anshu Malhotra	APS	<i>Anshu</i>
Prof. Prabha Sharma	APS	<i>P.S.R.</i>
Prof. Kehar Singh	APS	
Dr. Sanjay Yadav	APS	<i>S</i>
Dr. Trapti Neer	APS	<i>Trapti Neer</i>
Dr Tarul Garg	APS	<i>Tarul</i>
Dr Rajni Rohilla	APS	<i>Rajni</i>
Dr. Indira P. Debnath	APS	<i>Indira P. Debnath</i>
Ms. Kanika Gujral	APS	<i>Kanika</i>
Dr. Rashmi Tyagi	APS	<i>R. Tyagi</i>
Dr Pratibha Singh Parihar	APS	<i>Pratibha Singh</i>



Newsletter



Vol. 93 July 2019

THE NORTHCAP UNIVERSITY

(For internal circulation only)

NCU Activities

Orientation: Welcoming the batch of 2019



On 20 July 2019, The NorthCap University organized an orientation programme for all schools as mentioned, School of Engineering and Technology, School of Management and School of Law for the fresh admitted students, batch 2019. The guests of honour Mr KK Jadhav, Director: UPSC and Mr Vivek Dahiya, Director: Boudhik Ventures inspired the audience of students and their parents with the success stories and how their journey started. Hon'ble Pro-Chancellor, Prof. Prem Vrat and Vice Chancellor, Prof. HB Raghavendra shared with students, life at NCU and how it will help in shaping their future. While the enthusiasm in students was at large, hon'ble Registrar Col. Bikram Mohanty introduced the HoDs and coordinators to students and made them aware that life at NCU is much more than you are expecting. With



the same motivation Mr BK Gupta, Director SPA, acting as a hammer to the gold, poured everyone with the jitters of excitement at the initial phase of their career development.

Workshop on NAAC

On 3 & 4 June 2019, a workshop was conducted on NAAC, SSR (Self Study Report), headed by hon'ble Vice Chancellor, Prof. HB Raghavendra and coordinated by Dr Pramod Bhatia for the faculty members and heads which meant to familiarize everyone with SSR of NAAC and to identify the areas of improvement. It helped in developing the understanding of NAAC-SSR and filling the process of SSR report.





Conferences,
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Encouraging Budding Entrepreneurs- Exhibiting Innovative Ideas

The School of Management of the NorthCap University, Gurugram organized an exhibition on the theme, “Encouraging Budding Entrepreneurs- Exhibiting Innovative Ideas” in order to encourage entrepreneurial activities among students. Objectives of this exhibition were to encourage creativity and innovation among students, to showcase practical Implication of Business Canvas/Model, To encourage learning with fun. The event was scheduled on 18th November, 2019 from 01:30 pm onwards in the University cafeteria. 98 students participated and displayed their innovative ideas in the form of food zone, gaming zone and other innovative services. Dr Preeti Chawla and Dr Swaranjeet Arora coordinated the event. Winners of the event were

- (1st prize - Nancy (For Creativity)
- (2nd prize- Rohan Chtuani (Gaming Zone)
- (3rd Prize- Amisha team (Food stall)





ATTENDANCE

19BCOM01	AJAY RANA
19BCOM02	ALISHAA SAHNI
19BCOM03	AMAN
19BCOM04	AMISHA MEHROTRA
19BCOM05	ANIKET GILL
19BCOM07	ATUL KHATRI
19BCOM08	BHUSHAN MALHOTRA
19BCOM09	CHESHTA MADAN
19BCOM10	CHITRESH GROVER
19BCOM11	DEEPAK KATARIA
19BCOM12	DOLLY GUPTA
19BCOM13	FARISHTA SAPRA
19BCOM14	GAURI SHARMA
19BCOM15	GUNJAN
19BCOM16	HIMANI BATRA
19BCOM17	HIMANSHU SHARMA
19BCOM18	KASHIN CHOUDHARY
19BCOM19	KASHISH KATARIA
19BCOM20	KHUSHI VERMA
19BCOM21	LAKSHAY CHANDNA
19BCOM22	MANAN GARG
19BCOM23	MAYANK BATRA
19BCOM24	MAYANKESH SHARMA
19BCOM25	MEHAK SHARMA
19BCOM26	MOHIT KATARIA
19BCOM27	MUSKAN PAHUJA
19BCOM28	NANCY KHANNA
19BCOM29	NIHARIKA TANEJA
19BCOM30	NISHA SHARMA
19BCOM31	NISHANT KUMAR DAHIYA
19BCOM32	PARTH KHURANA
19BCOM33	PURVI NASA
19BCOM34	RAVINDER
19BCOM35	RITESH MANN
19BCOM36	RIYA TANEJA
19BCOM37	SANIYA AHUJA
19BCOM38	SARTHAK HOODA
19BCOM39	SATYAM DUA

19BCOM40	SHIVANSH VATS
19BCOM41	SHIVIKA KOHLI
19BCOM42	SHREYA
19BCOM43	SHREYA KHURANA
19BCOM45	SONAM
19BCOM47	SAKSHI DAHIYA
19BCOM48	TUSHAR VERMA
19BCOM49	URVIKA TUTEJA
19BCOM50	VANSHIKA BAWEJA
19BCOM51	Varis Singh
19BCOM52	VARUN SHARMA
19BCOM53	Vineet Dahiya
19BCOM54	VISHAL SINGH BISHT
19BCOM55	YUKTA GROVER
19BCOM56	YUKTA PIPLANI
19BCOM57	CHAITANYA BHARDWAJ
19BCOM59	GITANSHI BHATIA
19BCOM60	VAIBHAV SHARMA
19BCOM61	SHIVAM CHAUHAN
19BCOM62	HARSH GAUR
19BCOM65	PARAS YADAV
19BCOM66	PRIYANKA ARORA
19BCOM67	NITIN SHARMA
19BCOM68	DIVYA SHARMA
19BCOM69	ROHAN CHUTANI
19BCOM72	JYOTI ARORA
19BCOM73	MAYANK KATARIA
19BCOM74	KHUSHI PAREJA
19BCOM75	SHREYA SHARMA
19BCOM76	RAHUL ANJANA
19BCOM77	RIYA RANA
19BCOM78	YASHBIR DAGAR
19BCOM79	PARUL BANSAL
19BCOM80	AYUSH SRIVASTAVA
19BCOM81	SAMARTH BHARGAVA
19BCOM82	BHUVNESH MITTAL
19BCOM83	GAUTAM BISLA
19BCOM84	TANYA GUPTA
19BCOM85	KULDEEP TANWAR
19BCOM86	MAYANK
19BCOM87	VIKRANT NAGPAL
19BCOM88	TANYA TRIPATHI

19BCOM90	ABHINAV
19BCOM91	NIRBHAY ARORA
19BCOM92	NIKHIL
19BCOM93	KARTIK SHARMA
19BCOM94	AKASH ARORA
19BCOM96	ABHISHEK THAKRAN
19BCOM98	AYUSH VIKAS
19BCOM99	SAGAR
19BCOM100	KAJAL GUPTA
19BCOM101	KANISHK KHATRI
19BCOM102	NIKITA
19BCOM103	VAIBHAV KAURA
19BCOM104	RAGHAV ARORA

INNOVATIVE IDEA EXHIBITION

Entrepreneurship Development Cell in collaboration with Institution Innovation Council - The NorthCap University (IIC-NCU) **recognized by MHRD's Innovation Cell, Government of India** organized an Innovative Idea Exhibition in which **56 groups of students** have presented their innovative business ideas with the help of charts on March 6, 2020. Mr. Debasish Roy (Vice President Finance at Bertelsmann Marketing Services India Pvt Ltd, Group CFO at Arvato India & Director at Ramyam Intelligence Labs Pvt Ltd), Ms. Shweta Bhatnagar (Innovation Officer at MHRD's Innovation Cell, Govt. of India) and Prof. Hemant Trivedi (Dean, School of Management, NCU) were the judges of the event. The winning business ideas were Tri-lium Safety, Helpmate, and Indian Handicrafts as first, second, and third respectively. The business idea of Tri-lium Safety was presented by Priyanka Arora and Parul Bansal; the business idea of Helpmate was presented by Manan Sachdeva and Abhinav Sahu, and business idea of Indian Handicrafts was presented by Ritika Thakur.

The whole event was organized and coordinated by Dr. Esha Jain, Faculty – School of Management, The NorthCap University Gurugram.



Attendance

S. No.	Name	Roll No.
1	Astha thakur	18bba002
2	Abhinav Sahu	18bba003
3	Akash kataria	18bba005
4	Apoorva	18bba011
5	Arjun Tyagi	18bba012
6	Bharat Yadav	18bba014
7	Dhruv chawla	18bba016
8	Diksha virmani	18bba017
9	Hansika Khandula	18bba023
10	Harsh Vashishta	18bba025
11	Harshit	18BBA026
12	Himanshu soni	18bba030
13	Jatin vats	18bba031
14	Kartik bansal	18bba033
15	Kushagra wadhwa	18bba037
16	Lovit	18bba038
17	Manan sachdeva	18bba039
18	Nikhil Sharma	18bba049
19	Palak Sehgal	18bba052
20	Preeti kulkarni	18bba054
21	Rajveer Singh	18bba057
22	Akshit kalra	18bcom03
23	Aman Nara	18bcom04
24	Ankush	18bcom06
25	Arpit Mittal	18bcom07
26	Ekta	18bcom10
27	Gautam kataria	18bcom14
28	Hritik	18bcom15
29	Ishika Mangla	18bcom17
30	Kajal chugh	18bcom18
31	Kashish diwan	18bcom19
32	Konark Taneja	18bcom20
33	Muskan	18bcom25
34	Nupur	18bcom28
35	Pooja Batra	18bcom31
36	Raghav Nanda	18bcom34
37	Rishabh	18bcom35
38	Ritika Rajesh	18bcom37

39	Ritu	18bcom38
40	Sakshi gupta	18bcom42
41	Shalini	18bcom43
42	Sheetal	18bcom44
43	Tanishi garg	18bcom46
44	Taniya sethi	18BCOM47
45	Vidit gulati	18bcom50
46	Bhavya	18bcom59
47	Yashika Rajpal	18bcom61
48	Sonam	18bcom62
49	Ritika Thakur	18bcom67
50	Yogesh	18BCOM70
51	Tushar Dhingra	18BOM48
52	Atul	18com55
53	Shivam Chauhan	19bcom61
54	Priyanka Arora	19bcom66
55	Parul Bansal	19bcom79
56	Aashi Mangla	18mba002
57	Shweta Rastogi	19bae011
58	Apoorva	19bap003



RESEARCH METHODOLOGY WORKSHOP DECEMBER 18-24, 2019

ORGANISED BY

SCHOOL OF MANAGEMENT, THE NORTHCAP UNIVERSITY, GURUGRAM

ABOUT THE UNIVERSITY

The NorthCap University (NCU), rebranded itself on 31 August 2015 vide Haryana Government Ordinance No. 2 of 2015, followed by UGC Govt. of India notification dated 26 August 2015. NCU is a unitary university situated in Sector 23-A, Gurugram, Haryana and accredited by the National Assessment and Accreditation Council (NAAC) 2016-2021. It was founded in 1996 by Educate India Society as an Engineering Institute to provide higher education in Engineering and Management. The institute gained the status of a State Private university in the Academic Year 2009-10, under Act No. 25/2009 by the Legislature of State of Haryana and accorded UGC approval under Section 2(f) of the UGC Act 1956. In a span of a few years, the university has grown to be one of the foremost educational institutions in North India. As a testimony of this fact, we have been ranked as ‘The University of the Year 2017’ by the Higher Education Review and among the top 150 universities under National Institutional Ranking Framework (NIRF) by the Ministry of Human Resource Development, Government of India.

The University imparts education in undergraduate and postgraduate programs in engineering, management, sciences and law. It is recognized by various government and regulatory bodies for teaching and awarding degrees. The University is approved by the University Grants Commission (UGC) and recognized by the Bar Council of India (BCI). The University is a member of the Association of Indian Universities (AIU). Aside from being a Member of the American Society for Quality (I) pvt Ltd, it is accredited by Accreditation Services for International Colleges (ASIC), UK.

ABOUT THE WORKSHOP

Management Research is a systematic process of gathering, recording and analyzing data to facilitate the decision making process. It facilitates managerial decision making and reduces uncertainty. It is an amalgamation of techniques and procedures that helps the researcher to know and understand the phenomenon in focus. It connotes patient study and specific

investigation, wherein the researcher takes another, more careful look at data to discover all that can be known about the subject under study.

The workshop aims to explore the basic dimensions of research and the need for scholars to rethink the assumptions that underline historic paradigms of research in the field of management. It is designed to provide participants with hands on approach to conduct research. On completion of this workshop, participants would develop the skills to review the literature, develop hypotheses, frame research design, identify sampling techniques, comprehend the role and relevance of the tools for data collection and analysis, selection of appropriate parametric or non-parametric statistical method for analysing data, and report writing. The seven days workshop will be exposing the participants to theoretical input on quantitative research techniques, followed by the field work. The participants will be expected to choose a research topic and develop a research paper during the workshop. Research areas include all functional areas of management, administration and educational research. The workshop is intended to cover all relevant aspects of statistical data analysis starting from the very basics of Data preparation, Data cleaning to Advance statistical techniques including the theoretical aspects behind such techniques.

OBJECTIVES

- To expose the participants to basic and contemporary research methodology.
- To provide an opportunity to researchers/ research scholars to have hands-on experience on statistical software(s) such as SPSS and AMOS.
- To provide an opportunity to research scholars to present and discuss the problem(s) faced by them related to their own research work.
- To facilitate establishment of a network of researcher.

ELIGIBILITY

The registered Ph.D. students in social sciences in any Indian University/ Institute, M.Phil students and Faculty members are eligible to apply for the workshop.

FEES AND REGISTRATIONS

- The registration fee for the Workshop is Rs. 2,000 covering the cost of research material, lunch and refreshments for seven days payable by participants. In case of residential participants the institute will facilitate accommodation as per requirements of participants. The cost of which will be borne by the participants. Interested

candidates may send their duly filled in registration form to the workshop coordinators on or before 17th December, 2019. Registration form and brochure can be downloaded from the university website <http://www.ncuindia.edu> The candidates may send scanned copies of registration form and other documents by Email to conferencesom@ncuindia.edu , followed by hard copy.

Payment Options

- The participants have to submit the enclosed registration form duly completed along with payment in the form of Demand Draft to be drawn in favour of “The NorthCap University” Payable at “Gurugram”.
- For online payment: Account Number 90481010005013, IFSC code: SYNB0009048, Bank Name: Syndicate Bank; Branch Name: Green Park, New Delhi.

ARRANGEMENTS

The workshop will be conducted at institute’s premises. School of Management, The NorthCap University, HUDA Sector 23-A Gurugram – 122017, Gurugram, India. The institute will facilitate the lodging and boarding arrangements for the residential delegates as per their needs. The cost of which will be borne by the participants.

PROGRAM SCHEDULE

Day 1- Wednesday, December 18, 2019 Dr. Nitin Malik, Associate Professor, The North Cap University, Gurugram (CSE)

10:00-10:15 A.M.	Inaugural Ceremony (Saraswati Vandana and lamp Lightning)
10:15- 10:30 A.M.	Inaugural speech by Prof. Prem Vrat; Pro-Chancellor, Professor of Eminence & Chief Mentor, The North Cap University, Gurugram
10:30- 10:40 A.M.	Inaugural speech by Prof. H.B. Raghavendra; Vice-Chancellor, The North Cap University, Gurugram
10:40- 10:45 A.M.	Welcome address and program description by Prof. Hemant C Trivedi; Dean School Of Management, The North Cap University, Gurugram
10:45-01:00 P.M.	Basics of Research Methodology (Types of data, levels of measurement of data, data collection, sampling, measures of variation and position in data, data visualization).
01:00- 02:00 P.M.	Lunch
02:00- 04:00 P.M.	Probability Distribution, Confidence interval, hypothesis testing, correlation and regression.

Day 2- Thursday, December 19, 2019 Dr Swati Dhir, Assistant Professor, International Institute of Management, New Delhi

09:30-10:00 A.M.	Tea
10:00-01 00 P.M.	Use of Statistical tools using SPSS (Hypothesis testing, Normality, Reliability, One way ANOVA, Two way ANOVA, Exploratory Factor Analysis and cluster analysis)
01:00- 02:00 P.M.	Lunch
02:00- 04:00 P.M.	Regression Analysis

Day 3- Friday, December 20, 2019 Dr Sanjeev Mittal, Professor and DEAN, University School of Management Studies Guru Gobind Singh Indraprastha University

09:30 -10:00 A.M.	Tea
10:00-01:00 P.M	Use of Statistical tools using SPSS (Confirmatory Factor Analysis)
01:00- 02:00 P.M.	Lunch
02:00- 04:00 P.M.	Structural Equation Modelling with AMOS

Day 4- Saturday, December 21, 2019

09:00-10:30 A.M.	Structural Equation Modelling with AMOS
10:30-11:00 A.M.	Tea
11:00- 01:00 A.M.	Structural Equation Modelling with AMOS
01:00- 02:00 P.M.	Lunch

Day 5- Sunday, December 22, 2019

09:30-01 P.M.	Literature Review, Finalization of tool and data collection by Research groups
02:00- 04:00 P.M.	Preparation of draft Research Paper by Research groups

Day 6- Monday, December 23, 2019 Prof. Prem Vrat, Pro-Chancellor, Professor of Eminence & Chief Mentor, The NorthCap University, Gurugram

09:30-10:00 A.M.	Tea
10:00- 01:00 P.M.	Multi Criterion Decision Making
01:00- 02:00 P.M.	Lunch

Day 7- Tuesday, December 24, 2019 Dr. Shivani Bali, Associate Professor, Lal Bahadur Shastri Institute of Management, Dwarka, New Delhi

09:00-10:30 A.M.	Advanced Regression Modelling
10:30-11:00 A.M.	Tea
11:00- 01:00 A.M.	Advanced Regression Modelling
01:00- 02:00 P.M.	Lunch
02:00- 04:00 P.M.	Valedictory Session

For further details please contact

Dr. Swaranjeet Arora (Workshop Coordinator)
Mobile: 9826210409, Email: swaranjeetarora@ncuindia.edu

Dr Ruchi Nayyar (Workshop Coordinator)
Mobile: 9311822554, Email: ruchinayyar@ncuindia.edu

Dr. Preeti Chawla (Workshop Coordinator)
Mobile: 9818068412, Email: preetichawla@ncuindia.edu

Dr. Poonam Arora (Workshop Coordinator)
Mobile:9990434035, Email:poonamarora@ncuindia.edu

Business Research is the systematic and objective identification, collection, analysis, dissemination, and use of information to support the development of business policy, strategy, and decisions. It is a process of problem-solving that involves the use of scientific methods to identify and solve business problems. The primary purpose of business research is to provide information that helps managers make better decisions. Business research is an important part of the decision-making process in business organizations. It is a systematic and objective process of identifying, collecting, analyzing, and disseminating information that is used to support the development of business policy, strategy, and decisions. Business research is a process of problem-solving that involves the use of scientific methods to identify and solve business problems. The primary purpose of business research is to provide information that helps managers make better decisions. Business research is an important part of the decision-making process in business organizations.



Attendance Sheet

S NO	FACULTY NAME
1	Aaditya Sharma
2	Aditi
3	AP Dash
4	Arabindo
5	Deborisha
6	Deergha
7	Dr Akshat
8	Esha
9	Jahanvi
10	Mahima
11	Nirupma
12	Poonam
13	Prashant Banerjee
14	Preeti
15	Priyanka
16	Rekha
17	Ruchi
18	Shilpa
19	Vineet
20	Dr Swaranjeet Arora
21	Dr Arjun Singh



International Conference on Winning in VUCA World

The School of Management of the NorthCap University, Gurugram organized an International Conference on Management having the theme, “Winning in a VUCA World.” The event was scheduled on 4th October, 2019 from 09:00 am in the University auditorium. The keynote addresses were delivered by Hon’ble Pro-Chancellor, Professor of Eminence and Chief Mentor, Prof. PremVrat; and the Dean, School of Management, Prof. (Dr.) Hemant Trivedi. More than 500 faculty delegates, experts, practitioners and students were part of this International Conference. Dr Swaranjeet Arora and Dr. Poonam Arora were conference conveners.

The International conference was a fruitful amalgamation of empirical and conceptual research papers from academicians, professionals, consultants, practitioners, scholars and students. The opening ceremony began with the lightning of the Saraswati Lamp, followed by the welcome of chief guests.

The following dignitaries presented their thoughts on the subject in the conference:

Prof.PremVrat, *Hon’ble Pro-Chancellor, Professor of Eminence and Chief Mentor, The NorthCap University*, said “Due to changing environment, it is very difficult to predict and control the changes”. He also talked about how in this changing world VUCA can be a challenge for the world and an opportunity for all Indians. He also focused on flexibility in the organization policy and managers’ thought of processes.

Dr. Hemant Trivedi, *Dean, School of Management, The NorthCap University*, said “In today’s era, previous knowledge is becoming obsolete as world is changing very rapidly”. Dr. Trivedi threw some light on points which can be helpful in managing the VUCA world. He added “Change is the only constant, but now-a-days change is so rapid that it cannot be called constant.”

Mr. Rajesh Parikh, V.P., GTIS, Gurugram, influenced majorly on ‘micro level implications of VUCA’. He transformed the VUCA term in his own words stating them as V – Velocity, U – Undo and A – Agility. He gave an example of VUCA from his own life when he went into Finance sector from an engineering background.

Mr. Deepak Bharara, Director, People, A2Z, illustrated impact of VUCA on big businesses like NOKIA, Kodak and the HM Ambassador car that how they could not adapt with the VUCA world and hence had to face the end. He also informed the audience with a set of 5 qualities than an individual should possess to survive the VUCA world. They are – Technology, Analysis, Business Effectiveness, Personal Effectiveness and Courage to take risk.

Mr. Deepak Goel, Director, Winntus, Gurugram, with an example of his organisation showcased how he survived in the VUCA phase of the Real Estate industry in Gurugram since 2015. He also gave his own meaning of the phrase VUCA, which stands as V – Vision, U – Uncertain, C – Creative and A – Attitude. He emphasised majorly on having a clear vision and the right attitude in life for success.

Ms. Tamanna Khanna, VP and Head HR, Vihaan Networks, with an example of her organisation showcased how she survived in the VUCA phase of the Telecom industry. She added 3 traits which people shall have to fight out the VUCA world, these are – Continuous Learning, Resilient and Reflection.

Dr. D. R. Aggarwal, Professor Emeritus, Starex University, emphasized on the history of VUCA in relationship with academic and employment. Sir emphasized and elaborated VUCA world in his own way stating many real life examples. His examples gave a practical insight to the VUCA world. As per him, strategic planning is required to get a hold on VUCA world.

A short question & answer session was held after all speakers presented their thoughts which made the event interesting and knowledgeable. Towards the end, all speakers were presented with a vote of thanks by the organizers.

After lunch, there were many eminent speakers who presented their papers in 4 categories of Technical Sessions namely - Finance in VUCA World, Human Resource Management Practices in VUCA World, Contemporary Issues in Business Management in VUCA World and Competitive Marketing in VUCA

World. Towards the end of the Conference, there was an award ceremony wherein the best paper was awarded.





Attendance

Sr.No.	Code	Card No	Name	Type	Date	Punch	Device Id	Branch
1	17BBA073	6753	SAMARTH AGGARWAL	Student	4/10/2019	9:53	133	AUDITORIUM
2	17BBA137	6957	VINAYAK CHOUDHARY	Student	4/10/2019	11:02	133	AUDITORIUM
3	19BBA080	740	SHIVANI SINGH	Student	4/10/2019	11:35	133	AUDITORIUM
4	19BBA086	746	SIMRAN YADAV	Student	4/10/2019	11:35	133	AUDITORIUM
5	19BBA078	738	SHIVAM KUMAR	Student	4/10/2019	11:35	133	AUDITORIUM
6	19BBA090	750	VARUN KAPOOR	Student	4/10/2019	11:36	133	AUDITORIUM
7	17BBA085	6765	SIMRAN YADAV	Student	4/10/2019	11:36	133	AUDITORIUM
8	17BBA136	6956	JATIN YADAV	Student	4/10/2019	11:36	133	AUDITORIUM
9	17BCOM08	6808	RIA SINGLA	Student	4/10/2019	11:36	133	AUDITORIUM
10	17BCOM12	6812	SHRADDHA PANDIT	Student	4/10/2019	11:36	133	AUDITORIUM
11	17BCOM20	6820	MEGHNA KTARYA	Student	4/10/2019	11:36	133	AUDITORIUM
12	19BBA179	64	VANSHAM SURYAVANSHI	Student	4/10/2019	11:37	133	AUDITORIUM
13	19BBA171	76	YASH BATHLA	Student	4/10/2019	11:37	133	AUDITORIUM
14	19BBA146	826	Sonu Sheokand	Student	4/10/2019	11:37	133	AUDITORIUM
15	19BAP020	890	TUSHAR JANGRA	Student	4/10/2019	11:37	133	AUDITORIUM
16	19BCOM03	783	AMAN	Student	4/10/2019	11:37	133	AUDITORIUM
17	19BCOM17	797	HIMANSHU SHARMA	Student	4/10/2019	11:37	133	AUDITORIUM
18	19BCOM73	963	MAYANK KATARIA	Student	4/10/2019	11:37	133	AUDITORIUM
19	19BCOM53	833	Vineet Dahiya	Student	4/10/2019	11:38	133	AUDITORIUM
20	19BBA130	948	PRIYESH RANA	Student	4/10/2019	11:38	133	AUDITORIUM
21	18BBA122	4320	CHITRANJAN KUMAR	Student	4/10/2019	11:38	133	AUDITORIUM
22	18BBA009	4389	ANMOL GUPTA	Student	4/10/2019	11:38	133	AUDITORIUM
23	18BBA066	4446	SAUMYA PANDEY	Student	4/10/2019	11:38	133	AUDITORIUM
24	18BBA061	4441	ROHAN SHARMA	Student	4/10/2019	11:38	133	AUDITORIUM
25	17BBA057	6737	PRASHANT YADAV	Student	4/10/2019	11:38	133	AUDITORIUM
26	18BBA084	4464	YOGESH VERMA	Student	4/10/2019	11:38	133	AUDITORIUM
27	18BBA079	4459	TOUQEER MANZOOR	Student	4/10/2019	11:38	133	AUDITORIUM
28	18BBA060	4440	RIBHAV SATIJA	Student	4/10/2019	11:38	133	AUDITORIUM
29	18BBA004	4384	ADITYA MANGLA	Student	4/10/2019	11:39	133	AUDITORIUM
30	18BBA051	4431	NITISH DHALE	Student	4/10/2019	11:39	133	AUDITORIUM
31	18BBA056	4436	RADHIKA SHARMA	Student	4/10/2019	11:39	133	AUDITORIUM
32	18BBA070	4450	SHIVANI VASHISHT	Student	4/10/2019	11:39	133	AUDITORIUM
33	18BBA076	4456	SIMRAN KALRA	Student	4/10/2019	11:39	133	AUDITORIUM
34	18BBA035	4415	KRIKA KAUSHIK	Student	4/10/2019	11:39	133	AUDITORIUM
35	18BBA082	4462	VINIT KUMAR	Student	4/10/2019	11:40	133	AUDITORIUM
36	19BBA177	71	ANJALI KUMARI GUPTA	Student	4/10/2019	11:40	133	AUDITORIUM
37	19BBA175	406	PARTHIVI SHARMA	Student	4/10/2019	11:40	133	AUDITORIUM
38	19BBA077	737	SEJAL KHANNA	Student	4/10/2019	11:40	133	AUDITORIUM
39	19BBA161	99	SWATI CHATURVEDI	Student	4/10/2019	11:40	133	AUDITORIUM
40	19BBA118	778	YUKTA SHARMA	Student	4/10/2019	11:40	133	AUDITORIUM
41	19BBA063	723	PUSHPANJALI KATARIA	Student	4/10/2019	11:40	133	AUDITORIUM
42	19BBA135	954	NOOR CHOUDHARY	Student	4/10/2019	11:40	133	AUDITORIUM
43	19BBA028	688	CHIRAG JAIN	Student	4/10/2019	11:41	133	AUDITORIUM
44	19BBA040	700	HIMANSHU SAINI	Student	4/10/2019	11:41	133	AUDITORIUM
45	19BCOM75	985	SHREYA SHARMA	Student	4/10/2019	11:41	133	AUDITORIUM
46	19BCOM32	812	PARTH KHURANA	Student	4/10/2019	11:41	133	AUDITORIUM
47	19BCOM71	961	LAKSHIT BHARDWAJ	Student	4/10/2019	11:41	133	AUDITORIUM

48	19BCOM35	815	RITESH MANN	Student	4/10/2019	11:41	133	AUDITORIUM
49	19BCOM60	840	VAIBHAV SHARMA	Student	4/10/2019	11:41	133	AUDITORIUM
50	19BCOM02	782	ALISHAA SAHNI	Student	4/10/2019	11:41	133	AUDITORIUM
51	19BCOM34	814	RAVINDER	Student	4/10/2019	11:41	133	AUDITORIUM
52	19BCOM42	822	SHREYA	Student	4/10/2019	11:42	133	AUDITORIUM
53	19BCOM59	839	GITANSHI BHATIA	Student	4/10/2019	11:42	133	AUDITORIUM
54	19BCOM45	825	SONAM	Student	4/10/2019	11:42	133	AUDITORIUM
55	19BCOM49	829	URVIKA TUTEJA	Student	4/10/2019	11:42	133	AUDITORIUM
56	19BCOM66	846	PRIYANKA ARORA	Student	4/10/2019	11:42	133	AUDITORIUM
57	17BBA051	6731	NISHANT SHARMA	Student	4/10/2019	11:42	133	AUDITORIUM
58	17BBA003	6683	ADARSH KULKARNI	Student	4/10/2019	11:42	133	AUDITORIUM
59	17BBA052	6732	NITESH YADAV	Student	4/10/2019	11:42	133	AUDITORIUM
60	17BBA020	6700	DIVYA SHARMA	Student	4/10/2019	11:42	133	AUDITORIUM
61	17BBA018	6698	DIVYA BAGGA	Student	4/10/2019	11:42	133	AUDITORIUM
62	19BCOM74	965	KHUSHI PAPREJA	Student	4/10/2019	11:43	133	AUDITORIUM
63	19BCOM88	1999	TANYA TRIPATHI	Student	4/10/2019	11:43	133	AUDITORIUM
64	19BCOM01	781	AJAY RANA	Student	4/10/2019	11:43	133	AUDITORIUM
65	19BCOM14	794	GAURI SHARMA	Student	4/10/2019	11:43	133	AUDITORIUM
66	19BCOM52	832	VARUN SHARMA	Student	4/10/2019	11:43	133	AUDITORIUM
67	19BCOM04	784	AMISHA MEHROTRA	Student	4/10/2019	11:43	133	AUDITORIUM
68	19BCOM47	827	SAKSHI DAHIYA	Student	4/10/2019	11:43	133	AUDITORIUM
69	19BCOM55	835	YUKTA GROVER	Student	4/10/2019	11:44	133	AUDITORIUM
70	18BBA077	4457	TANYA SHARMA	Student	4/10/2019	11:44	133	AUDITORIUM
71	18BBA118	4654	KANISHKA BHARDWAJ	Student	4/10/2019	11:44	133	AUDITORIUM
72	18BBA025	4405	HARSH VASHISTH	Student	4/10/2019	11:44	133	AUDITORIUM
73	19BBA134	953	HRITIK CHAWLA	Student	4/10/2019	11:44	133	AUDITORIUM
74	19BCOM36	816	RIYA TANEJA	Student	4/10/2019	11:44	133	AUDITORIUM
75	19BCOM16	796	HIMANI BATRA	Student	4/10/2019	11:44	133	AUDITORIUM
76	19BAE001	851	ADITI BANSAL	Student	4/10/2019	11:44	133	AUDITORIUM
77	18BBA124	4667	AVESH YADAV	Student	4/10/2019	11:44	133	AUDITORIUM
78	19BCOM61	841	SHIVAM CHAUHAN	Student	4/10/2019	11:45	133	AUDITORIUM
79	18BCOM26	4506	NIKHIL KATHURIA	Student	4/10/2019	11:45	133	AUDITORIUM
80	18BCOM20	4500	KONARK TANEJA	Student	4/10/2019	11:45	133	AUDITORIUM
81	18BCOM48	4528	Tushar dhingra	Student	4/10/2019	11:45	133	AUDITORIUM
82	18BCOM24	4504	MUDIT CHUTANI	Student	4/10/2019	11:45	133	AUDITORIUM
83	18BCOM68	4608	VIKAS LOHIA	Student	4/10/2019	11:45	133	AUDITORIUM
84	18BCOM31	4511	POOJA BATRA	Student	4/10/2019	11:46	133	AUDITORIUM
85	18BCOM32	4512	PRATHAM CHIBBER	Student	4/10/2019	11:46	133	AUDITORIUM
86	18BCOM22	4502	MAYANK BHUTANI	Student	4/10/2019	11:46	133	AUDITORIUM
87	18BCOM54	4534	CHANDRAMAULI GUPTA	Student	4/10/2019	11:46	133	AUDITORIUM
88	18BCOM37	4517	RITIKA RAJESH	Student	4/10/2019	11:46	133	AUDITORIUM
89	17BBA096	6776	TUSHAR GUJRAL	Student	4/10/2019	11:47	133	AUDITORIUM
90	17BCOM17	6817	CCHHAVI SHARRMA	Student	4/10/2019	11:47	133	AUDITORIUM
91	17BCOM24	6349	AANCHAL	Student	4/10/2019	11:47	133	AUDITORIUM
92	17BCOM01	6801	AANCHAL	Student	4/10/2019	11:47	133	AUDITORIUM
93	17BCOM11	6811	SHIVANI KATARIA	Student	4/10/2019	11:47	133	AUDITORIUM
94	17BCOM22	6228	NAINA NAGPAL	Student	4/10/2019	11:47	133	AUDITORIUM
95	F1266	8233	Preeti Chawla	Faculty	4/10/2019	12:29	133	AUDITORIUM
96	18MBA008	4548	HUZAIFA WALI	Student	4/10/2019	12:29	133	AUDITORIUM
97	18MBA009	4549	KAVYA SHARMA	Student	4/10/2019	12:29	133	AUDITORIUM
98	19BAE011	861	SHWETA RUSTAGI	Student	4/10/2019	12:29	133	AUDITORIUM
99	19BBA167	93	JAINISH DAGAR	Student	4/10/2019	12:31	133	AUDITORIUM

100	16BBA021	2821	ANURAG	Student	4/10/2019	12:31	133	AUDITORIUM
101	16BBA088	2888	NIDHISH	Student	4/10/2019	12:31	133	AUDITORIUM
102	18BBA038	4418	LOVIT	Student	4/10/2019	12:31	133	AUDITORIUM
103	18BBA031	4411	JATIN VATS	Student	4/10/2019	12:31	133	AUDITORIUM
104	18BBA125	4668	MUKUL ARORA	Student	4/10/2019	12:31	133	AUDITORIUM
105	18BBA015	4395	DHRUV	Student	4/10/2019	12:31	133	AUDITORIUM
106	17BBA047	6727	NAMAN BANSAL	Student	4/10/2019	12:32	133	AUDITORIUM
107	18BBA083	4463	VISHAL SANGWAN	Student	4/10/2019	12:32	133	AUDITORIUM
108	18BCOM49	4529	TUSHAR JAIN	Student	4/10/2019	12:32	133	AUDITORIUM
109	18BCOM51	4531	VIRENDER SINGH	Student	4/10/2019	12:32	133	AUDITORIUM
110	18BCOM60	4540	DIVYANSH	Student	4/10/2019	12:32	133	AUDITORIUM
111	18BCOM13	4493	gaurav sehgal	Student	4/10/2019	12:32	133	AUDITORIUM
112	17BBA008	6688	ANUBHAV PARMAR	Student	4/10/2019	12:32	133	AUDITORIUM
113	17BBA004	6684	ADITI GUPTA	Student	4/10/2019	12:32	133	AUDITORIUM
114	19BBA024	684	BHUMIKA SHARMA	Student	4/10/2019	12:32	133	AUDITORIUM
115	19BBA061	721	PRERNA	Student	4/10/2019	12:32	133	AUDITORIUM
116	19BBA060	720	PRACHI AGGARWAL	Student	4/10/2019	12:32	133	AUDITORIUM
117	18BBA099	4479	SHUBHAM	Student	4/10/2019	12:32	133	AUDITORIUM
118	18BBA098	4478	NIKHIL KUMAR	Student	4/10/2019	12:33	133	AUDITORIUM
119	19BCOM26	806	MOHIT KATARIA	Student	4/10/2019	12:33	133	AUDITORIUM
120	18BBA094	4474	MAYANK KATARIA	Student	4/10/2019	12:33	133	AUDITORIUM
121	17BBA021	6701	GAURAV JAKHAR	Student	4/10/2019	12:33	133	AUDITORIUM
122	18BBA027	4407	HEMANT ANJNA	Student	4/10/2019	12:33	133	AUDITORIUM
123	17BBA116	6796	PALLAV RANJAN SHRIVASTAVA	Student	4/10/2019	12:33	133	AUDITORIUM
124	18BBA112	4638	PUNEET RANA	Student	4/10/2019	12:33	133	AUDITORIUM
125	18BBA034	4414	KESHAV YADAV	Student	4/10/2019	12:33	133	AUDITORIUM
126	18BBA013	4393	ASHWANI SAINI	Student	4/10/2019	12:33	133	AUDITORIUM
127	19BCOM11	791	DEEPAK KATARIA	Student	4/10/2019	12:33	133	AUDITORIUM
128	19BAE026	1993	MANAV YADAV	Student	4/10/2019	12:34	133	AUDITORIUM
129	18BBA006	4386	AMAN KUMAR	Student	4/10/2019	12:34	133	AUDITORIUM
130	18BBA085	4465	YOGESH YADAV	Student	4/10/2019	12:34	133	AUDITORIUM
131	18BBA081	4461	VIDUSHI SHARMA	Student	4/10/2019	12:34	133	AUDITORIUM
132	18BBA074	4454	SHWETA DEVATWAL	Student	4/10/2019	12:34	133	AUDITORIUM
133	18BBA065	4445	SANCHIT SHARMA	Student	4/10/2019	12:34	133	AUDITORIUM
134	18BBA010	4390	ANSH RAUTELA	Student	4/10/2019	12:34	133	AUDITORIUM
135	19BAP009	879	PARSHANJEET SINGH	Student	4/10/2019	12:34	133	AUDITORIUM
136	19BAE014	864	VIZUL YADAV	Student	4/10/2019	12:34	133	AUDITORIUM
137	19BAE015	865	GAURAV KHRERA	Student	4/10/2019	12:35	133	AUDITORIUM
138	19BAP018	888	LAVISH THAPLOO	Student	4/10/2019	12:35	133	AUDITORIUM
139	19BAP016	886	ANSHITA SINGH	Student	4/10/2019	12:35	133	AUDITORIUM
140	19BBA159	1996	GARV DUGGAL	Student	4/10/2019	12:35	133	AUDITORIUM
141	18BBA097	4477	NISCHAL KAPOOR	Student	4/10/2019	12:35	133	AUDITORIUM
142	18BBA089	4469	KARTAVYA MRIG	Student	4/10/2019	12:35	133	AUDITORIUM
143	16CSU174	2174	KRITI SHARMA	Student	4/10/2019	12:36	133	AUDITORIUM
144	16ECU023	2473	HARSHIT SHARMA	Student	4/10/2019	12:36	133	AUDITORIUM
145	16ECU009	2459	AMRITANSH BAKSHI	Student	4/10/2019	12:36	133	AUDITORIUM
146	19BBA015	675	ANUJ KAPOOR	Student	4/10/2019	12:36	133	AUDITORIUM
147	19BBA042	702	KARAN SHINGARI	Student	4/10/2019	12:36	133	AUDITORIUM
148	19BBA013	673	ANSH PURI	Student	4/10/2019	12:36	133	AUDITORIUM
149	19BBA011	671	AMIT YADAV	Student	4/10/2019	12:36	133	AUDITORIUM
150	19BBA005	665	ABHAY PRATAP SINGH	Student	4/10/2019	12:36	133	AUDITORIUM

151	19BBA036	696	GAGANDEEP	Student	4/10/2019	12:36	133	AUDITORIUM
152	19BBA025	685	CHAITANYA VATS	Student	4/10/2019	12:36	133	AUDITORIUM
153	19BBA046	706	KRIT DAGAR	Student	4/10/2019	12:36	133	AUDITORIUM
154	19BBA031	691	DHRUV GUPTA	Student	4/10/2019	12:36	133	AUDITORIUM
155	17BBA132	6952	MANYA JAIN	Student	4/10/2019	12:37	133	AUDITORIUM
156	17BBA064	6744	RAJSHREE JAIN	Student	4/10/2019	12:37	133	AUDITORIUM
157	19BBA048	708	LAKSHAY	Student	4/10/2019	12:37	133	AUDITORIUM
158	19BCOM39	819	SATYAM DUA	Student	4/10/2019	12:37	133	AUDITORIUM
159	19BBA166	94	PULKIT BHATIA	Student	4/10/2019	12:37	133	AUDITORIUM
160	19BCOM11	791	DEEPAK KATARIA	Student	4/10/2019	12:37	133	AUDITORIUM
161	19BCOM65	845	PARAS YADAV	Student	4/10/2019	12:37	133	AUDITORIUM
162	17BBA011	6691	BHUVNESH RAO	Student	4/10/2019	12:37	133	AUDITORIUM
163	17BBA002	6682	AARUSHI SEHRAWAT	Student	4/10/2019	12:37	133	AUDITORIUM
164	17BBA005	6685	ANJALI	Student	4/10/2019	12:37	133	AUDITORIUM
165	17BBA015	6695	CHHAYA BANSAL	Student	4/10/2019	12:37	133	AUDITORIUM
166	17BBA033	6713	KHUSHBOO SAHU	Student	4/10/2019	12:38	133	AUDITORIUM
167	19BBA017	677	ARJUN MALIK	Student	4/10/2019	12:38	133	AUDITORIUM
168	19BBA058	718	PARAM KIRAT KAUR	Student	4/10/2019	12:38	133	AUDITORIUM
169	19BBA002	662	AARZOO ASRI	Student	4/10/2019	12:38	133	AUDITORIUM
170	19BBA003	663	AASHUTOSH PANDEY	Student	4/10/2019	12:38	133	AUDITORIUM
171	17BBA097	6777	TWINKLE TEWATIA	Student	4/10/2019	12:38	133	AUDITORIUM
172	17BBA069	6749	RIYA PRAKASH	Student	4/10/2019	12:38	133	AUDITORIUM
173	17BBA065	6745	RASHI YADAV	Student	4/10/2019	12:39	133	AUDITORIUM
174	18BBA123	4658	VISHAL SAINI	Student	4/10/2019	12:39	133	AUDITORIUM
175	19BCOM101	62	KANISHK KHATRI	Student	4/10/2019	12:39	133	AUDITORIUM
176	18BCOM15	4495	HRITIK SHARMA	Student	4/10/2019	12:39	133	AUDITORIUM
177	19BCOM82	1973	BHUVNESH MITTAL	Student	4/10/2019	12:39	133	AUDITORIUM
178	19BCOM93	87	KARTIK SHARMA	Student	4/10/2019	12:39	133	AUDITORIUM
179	19BCOM91	89	NIRBHAY ARORA	Student	4/10/2019	12:39	133	AUDITORIUM
180	19BBA156	1979	ANIRUDH KARANJKAR	Student	4/10/2019	12:39	133	AUDITORIUM
181	17BBA046	6726	MUSKAN KATARIA	Student	4/10/2019	12:39	133	AUDITORIUM
182	17BBA049	6729	NEHA GOEL	Student	4/10/2019	12:39	133	AUDITORIUM
183	17BBA044	6724	MUSKAAN SOOD	Student	4/10/2019	12:40	133	AUDITORIUM
184	17BCOM10	6810	SANTUSHTI AHUJA	Student	4/10/2019	12:40	133	AUDITORIUM
185	19BCOM19	799	KASHISH KATARIA	Student	4/10/2019	12:40	133	AUDITORIUM
186	19BCOM76	777	RAHUL ANJANA	Student	4/10/2019	12:40	133	AUDITORIUM
187	19BCOM31	811	NISHANT KUMAR DAHIYA	Student	4/10/2019	12:40	133	AUDITORIUM
188	19BBA068	728	RUHIL	Student	4/10/2019	12:40	133	AUDITORIUM
189	19BBA125	943	RAO PANKAJ NUNI WAL	Student	4/10/2019	12:40	133	AUDITORIUM
190	19BBA045	705	KESHAV BANSAL	Student	4/10/2019	12:40	133	AUDITORIUM
191	18BBA087	4467	JYOTI DAGAR	Student	4/10/2019	12:41	133	AUDITORIUM
192	16BBA012	2812	AKSHAY	Student	4/10/2019	12:41	133	AUDITORIUM
193	19BBA051	711	LOKESH YADAV	Student	4/10/2019	12:41	133	AUDITORIUM
194	19BBA021	681	BHARAT	Student	4/10/2019	12:41	133	AUDITORIUM
195	19BBA029	689	DEEPSHIKHA DAHIYA	Student	4/10/2019	12:41	133	AUDITORIUM
196	19BBA057	717	NITISH GANDASS	Student	4/10/2019	12:41	133	AUDITORIUM
197	19BBA047	707	KUNAL ARYA	Student	4/10/2019	12:41	133	AUDITORIUM
198	18BBA087	4467	JYOTI DAGAR	Student	4/10/2019	12:42	133	AUDITORIUM
199	18BBA054	4434	PREETI KULKARNI	Student	4/10/2019	12:42	133	AUDITORIUM
200	18BBA017	4397	DIKSHA VIRMANI	Student	4/10/2019	12:42	133	AUDITORIUM
201	18BBA011	4391	APOORVA YADAV	Student	4/10/2019	12:42	133	AUDITORIUM
202	18BBA002	4382	ASTHA THAKUR	Student	4/10/2019	12:42	133	AUDITORIUM

203	18BBA005	4385	AKASH KATARIA	Student	4/10/2019	12:42	133	AUDITORIUM
204	19BBA113	773	PRIYANSHU YADAV	Student	4/10/2019	12:42	133	AUDITORIUM
205	19BBA075	735	SANDEEP YADAV	Student	4/10/2019	12:42	133	AUDITORIUM
206	19BCOM25	805	MEHAK SHARMA	Student	4/10/2019	12:42	133	AUDITORIUM
207	19BCOM41	821	SHIVIKA KOHLI	Student	4/10/2019	12:43	133	AUDITORIUM
208	19BCOM50	830	VANSHIKA BAWEJA	Student	4/10/2019	12:43	133	AUDITORIUM
209	19BCOM37	817	SANIYA AHUJA	Student	4/10/2019	12:43	133	AUDITORIUM
210	19BCOM90	90	ABHINAV	Student	4/10/2019	12:43	133	AUDITORIUM
211	19BCOM57	837	CHAITANYA BHARDWAJ	Student	4/10/2019	12:43	133	AUDITORIUM
212	19BBA066	726	RITVIK ARORA	Student	4/10/2019	12:43	133	AUDITORIUM
213	19BCOM81	1972	SAMARTH BHARGAVA	Student	4/10/2019	12:43	133	AUDITORIUM
214	19BCOM69	849	ROHAN CHUTANI	Student	4/10/2019	12:43	133	AUDITORIUM
215	19BCOM56	836	YUKTA PIPLANI	Student	4/10/2019	12:43	133	AUDITORIUM
216	19BCOM27	807	MUSKAN PAHUJA	Student	4/10/2019	12:44	133	AUDITORIUM
217	19BCOM94	80	AKASH ARORA	Student	4/10/2019	12:44	133	AUDITORIUM
218	19BCOM96	78	ABHISHEK THAKRAN	Student	4/10/2019	12:44	133	AUDITORIUM
219	19BCOM98	66	AYUSH VIKAS	Student	4/10/2019	12:44	133	AUDITORIUM
220	18BBA021	4401	GARIMA VOHRA	Student	4/10/2019	12:44	133	AUDITORIUM
221	18BBA047	4427	MUSKAN GUPTA	Student	4/10/2019	12:44	133	AUDITORIUM
222	19BBA022	682	BHAVESH ARORA	Student	4/10/2019	12:44	133	AUDITORIUM
223	19BBA020	680	AYUSH JAIN	Student	4/10/2019	12:44	133	AUDITORIUM
224	18BCOM04	4484	AMAN NARA	Student	4/10/2019	12:44	133	AUDITORIUM
225	19BBA076	736	SARAT KUMAR	Student	4/10/2019	12:44	133	AUDITORIUM
226	19BBA069	729	RUPESH KUMAR	Student	4/10/2019	12:45	133	AUDITORIUM
227	19BAE022	952	AKASH KUMAR	Student	4/10/2019	12:45	133	AUDITORIUM
228	18BCOM70	4610	YOGESH BENIWAL	Student	4/10/2019	12:45	133	AUDITORIUM
229	19BCOM78	988	YASHBIR DAGAR	Student	4/10/2019	12:45	133	AUDITORIUM
230	19BCOM99	65	SAGAR	Student	4/10/2019	12:45	133	AUDITORIUM
231	19BBA108	768	AMAN KUMAR	Student	4/10/2019	12:45	133	AUDITORIUM
232	19BBA145	982	DIKSHA RAJPUT	Student	4/10/2019	12:45	133	AUDITORIUM
233	17BBA122	6680	PAARTH SACHDEVA	Student	4/10/2019	12:45	133	AUDITORIUM
234	17BBA061	6741	PRIYANKA SHARMA	Student	4/10/2019	12:45	133	AUDITORIUM
235	17BBA113	6793	YASHIKA GUPTA	Student	4/10/2019	12:45	133	AUDITORIUM
236	17BBA106	6786	VIJAYVARDHAN AZAD	Student	4/10/2019	12:46	133	AUDITORIUM
237	17BBA104	6784	VIDHAN CHATURVEDI	Student	4/10/2019	12:46	133	AUDITORIUM
238	17BBA092	6772	SURAJ RAWAT	Student	4/10/2019	12:46	133	AUDITORIUM
239	19BBA167	93	JAINISH DAGAR	Student	4/10/2019	12:46	133	AUDITORIUM
240	16BBA085	2885	NAMAN	Student	4/10/2019	12:46	133	AUDITORIUM
241	17BBA119	6799	PULKIT GAUR	Student	4/10/2019	12:46	133	AUDITORIUM
242	17BBA060	6740	PRIYANKA AGGARAWAL	Student	4/10/2019	12:46	133	AUDITORIUM
243	17BBA053	6733	PALAK	Student	4/10/2019	12:46	133	AUDITORIUM
244	19BCOM86	1989	MAYANK	Student	4/10/2019	12:46	133	AUDITORIUM
245	19BAE030	61	ISHANT SEHRAWAT	Student	4/10/2019	12:47	133	AUDITORIUM
246	19BAE005	855	PRACHI SONI	Student	4/10/2019	12:47	133	AUDITORIUM
247	19BCOM06	786	ASHU	Student	4/10/2019	12:47	133	AUDITORIUM
248	18BCOM46	4526	TANISHI GARG	Student	4/10/2019	12:47	133	AUDITORIUM
249	19BCOM24	804	MAYANKESH SHARMA	Student	4/10/2019	12:47	133	AUDITORIUM
250	19BBA022	682	BHAVESH ARORA	Student	4/10/2019	12:47	133	AUDITORIUM
251	19BBA018	678	ASHISH MADAN	Student	4/10/2019	12:47	133	AUDITORIUM
252	19BBA027	687	CHIRAG ADLAKHA	Student	4/10/2019	12:48	133	AUDITORIUM
253	19BBA014	674	ANUJ CHAUHAN	Student	4/10/2019	12:48	133	AUDITORIUM
254	19BBA137	958	YATIN RAI	Student	4/10/2019	12:48	133	AUDITORIUM

255	19BAP021	1991	HIMANSHU LAKRA	Student	4/10/2019	12:48	133	AUDITORIUM
256	19BAE027	1994	KARAN GAHLOT	Student	4/10/2019	12:48	133	AUDITORIUM
257	19BCOM42	822	SHREYA	Student	4/10/2019	12:48	133	AUDITORIUM
258	19BCOM34	814	RAVINDER	Student	4/10/2019	12:48	133	AUDITORIUM
259	19BCOM59	839	GITANSHI BHATIA	Student	4/10/2019	12:48	133	AUDITORIUM
260	19BBA080	740	SHIVANI SINGH	Student	4/10/2019	12:48	133	AUDITORIUM
261	19BBA086	746	SIMRAN YADAV	Student	4/10/2019	12:48	133	AUDITORIUM
262	19BCOM74	965	KHUSHI PAPREJA	Student	4/10/2019	12:48	133	AUDITORIUM
263	19BBA020	680	AYUSH JAIN	Student	4/10/2019	12:48	133	AUDITORIUM
264	19BCOM60	840	VAIBHAV SHARMA	Student	4/10/2019	12:48	133	AUDITORIUM
265	19BBA144	981	PARMJEET JANGHU	Student	4/10/2019	12:49	133	AUDITORIUM
266	19BAP010	880	PAYAL MITTAL	Student	4/10/2019	12:49	133	AUDITORIUM
267	19BBA004	664	AAYUSH JAIN	Student	4/10/2019	12:49	133	AUDITORIUM
268	19BAP002	872	AISHNA YADAV	Student	4/10/2019	12:49	133	AUDITORIUM
269	19BBA142	979	SAURABH CHATTERJEE	Student	4/10/2019	12:49	133	AUDITORIUM
270	19BBA078	738	SHIVAM KUMAR	Student	4/10/2019	12:49	133	AUDITORIUM
271	19BAP003	873	APOORV AGRAWAL	Student	4/10/2019	12:49	133	AUDITORIUM
272	19BCOM48	828	TUSHAR VERMA	Student	4/10/2019	12:49	133	AUDITORIUM
273	19BCOM07	787	ATUL KHATRI	Student	4/10/2019	12:49	133	AUDITORIUM
274	19BBA043	703	KARTIK VERMA	Student	4/10/2019	12:49	133	AUDITORIUM
275	19BCOM75	985	SHREYA SHARMA	Student	4/10/2019	12:49	133	AUDITORIUM
276	17BBA009	6689	APARNA BHARDWAJ	Student	4/10/2019	12:49	133	AUDITORIUM
277	19BAE013	863	TANYA MAKKAR	Student	4/10/2019	12:49	133	AUDITORIUM
278	19BAE024	984	RIYA NAGPAL	Student	4/10/2019	12:49	133	AUDITORIUM
279	19BAE007	857	PUSHPENDER	Student	4/10/2019	12:49	133	AUDITORIUM
280	19BAE025	1971	SHREY GOEL	Student	4/10/2019	12:49	133	AUDITORIUM
281	17BBA041	6721	MANSI MISHRA	Student	4/10/2019	12:49	133	AUDITORIUM
282	19BAP004	874	CHESHTA NANDAL	Student	4/10/2019	12:50	133	AUDITORIUM
283	19BCOM30	810	NISHA SHARMA	Student	4/10/2019	12:50	133	AUDITORIUM
284	19BAE003	853	ISHIKA AGARWAL	Student	4/10/2019	12:50	133	AUDITORIUM
285	19BCOM09	789	CHESHTA MADAN	Student	4/10/2019	12:50	133	AUDITORIUM
286	17BBA087	6767	SNEHA MEHRA	Student	4/10/2019	12:50	133	AUDITORIUM
287	19BAE005	855	PRACHI SONI	Student	4/10/2019	12:50	133	AUDITORIUM
288	19BAE030	61	ISHANT SEHRAWAT	Student	4/10/2019	12:50	133	AUDITORIUM
289	18BBA106	4632	RITIK CHANDNA	Student	4/10/2019	12:50	133	AUDITORIUM
290	19BCOM51	831	Varis Singh	Student	4/10/2019	12:50	133	AUDITORIUM
291	19BCOM22	802	MANAN GARG	Student	4/10/2019	12:50	133	AUDITORIUM
292	19BCOM71	961	LAKSHIT BHARDWAJ	Student	4/10/2019	12:50	133	AUDITORIUM
293	17BBA023	6703	HARDIK ARORA	Student	4/10/2019	12:50	133	AUDITORIUM
294	19BCOM23	803	MAYANK BATRA	Student	4/10/2019	12:50	133	AUDITORIUM
295	18BBA082	4462	VINIT KUMAR	Student	4/10/2019	12:50	133	AUDITORIUM
296	19BBA171	76	YASH BATHLA	Student	4/10/2019	12:50	133	AUDITORIUM
297	19BBA010	670	AMAN YADAV	Student	4/10/2019	12:51	133	AUDITORIUM
298	19BBA050	710	LALIT	Student	4/10/2019	12:51	133	AUDITORIUM
299	19BBA064	724	RAHUL YADAV	Student	4/10/2019	12:51	133	AUDITORIUM
300	19BBA095	755	VIVEK KATARIA	Student	4/10/2019	12:51	133	AUDITORIUM
301	19BCOM35	815	RITESH MANN	Student	4/10/2019	12:51	133	AUDITORIUM
302	19BCOM72	962	JYOTI ARORA	Student	4/10/2019	12:51	133	AUDITORIUM
303	19BCOM28	808	NANCY KHANNA	Student	4/10/2019	12:51	133	AUDITORIUM
304	19BAP001	871	AAYESHA HUSSAIN	Student	4/10/2019	12:51	133	AUDITORIUM
305	19BAP011	881	RAMYA TREHAN	Student	4/10/2019	12:51	133	AUDITORIUM
306	18BCOM07	4487	ARPIT MITTAL	Student	4/10/2019	12:51	133	AUDITORIUM

307	19BBA001	661	AAKSHI GERA	Student	4/10/2019	12:51	133	AUDITORIUM
308	19BBA055	715	NANDITA GAUR	Student	4/10/2019	12:51	133	AUDITORIUM
309	19BCOM12	792	DOLLY GUPTA	Student	4/10/2019	12:51	133	AUDITORIUM
310	19BCOM68	848	DIVYA SHARMA	Student	4/10/2019	12:51	133	AUDITORIUM
311	18BBA105	4631	RITIK HASIJA	Student	4/10/2019	12:51	133	AUDITORIUM
312	19BBA166	94	PULKIT BHATIA	Student	4/10/2019	12:52	133	AUDITORIUM
313	19BAE009	859	RIYA GUPTA	Student	4/10/2019	12:52	133	AUDITORIUM
314	19BAP012	882	SHRUTI SHARMA	Student	4/10/2019	12:52	133	AUDITORIUM
315	19BBA137	958	YATIN RAI	Student	4/10/2019	12:52	133	AUDITORIUM
316	19BBA056	716	NISHITA GOSWAMI	Student	4/10/2019	12:52	133	AUDITORIUM
317	19BAP007	877	MANSI PARIHAR	Student	4/10/2019	12:52	133	AUDITORIUM
318	19BAE006	856	PRERNA HANDUJA	Student	4/10/2019	12:52	133	AUDITORIUM
319	19BAE029	82	VAISHNAVI AHUJA	Student	4/10/2019	12:52	133	AUDITORIUM
320	19BAE021	934	NAYANTARA PRABHAKAR	Student	4/10/2019	12:52	133	AUDITORIUM
321	19BCOM87	1990	VIKRANT NAGPAL	Student	4/10/2019	12:52	133	AUDITORIUM
322	19BAP022	1992	BHARAT YADAV	Student	4/10/2019	12:52	133	AUDITORIUM
323	18BCOM55	4535	ATUL KUMAR	Student	4/10/2019	12:52	133	AUDITORIUM
324	19BAE028	1997	UMESH SHARMA	Student	4/10/2019	12:52	133	AUDITORIUM
325	19BBA158	1995	AMAN	Student	4/10/2019	12:52	133	AUDITORIUM
326	18BCOM19	4499	KASHISH DIWAN	Student	4/10/2019	12:52	133	AUDITORIUM
327	18BCOM17	4497	ISHIKA MANGLA	Student	4/10/2019	12:52	133	AUDITORIUM
328	18BCOM18	4498	KAJAL CHUGH	Student	4/10/2019	12:53	133	AUDITORIUM
329	19BAE020	870	TANMAY RANA	Student	4/10/2019	12:53	133	AUDITORIUM
330	18BCOM06	4486	ANKUSH SINGHAL	Student	4/10/2019	12:53	133	AUDITORIUM
331	19BCOM77	987	RIYA RANA	Student	4/10/2019	12:53	133	AUDITORIUM
332	18BCOM34	4514	RAGHAV NANDA	Student	4/10/2019	12:53	133	AUDITORIUM
333	19BCOM102	60	NIKITA	Student	4/10/2019	12:53	133	AUDITORIUM
334	18BCOM12	4492	GAURAV SARDANA	Student	4/10/2019	12:53	133	AUDITORIUM
335	19BCOM100	63	KAJAL GUPTA	Student	4/10/2019	12:53	133	AUDITORIUM
336	19BBA174	73	GAURAV RAGHAV	Student	4/10/2019	12:53	133	AUDITORIUM
337	19BBA155	1978	ABHISHEK SHARMA	Student	4/10/2019	12:53	133	AUDITORIUM
338	19BCOM84	1981	TANYA GUPTA	Student	4/10/2019	12:53	133	AUDITORIUM
339	19BCOM79	989	PARUL BANSAL	Student	4/10/2019	12:53	133	AUDITORIUM
340	19BBA176	70	DEEPANSHU YADAV	Student	4/10/2019	12:53	133	AUDITORIUM
341	19BCOM08	788	BHUSHAN MALHOTRA	Student	4/10/2019	12:53	133	AUDITORIUM
342	19BBA157	1980	RITIK AGGARWAL	Student	4/10/2019	12:54	133	AUDITORIUM
343	19BCOM13	793	FARISHTA SAPRA	Student	4/10/2019	12:54	133	AUDITORIUM
344	19BBA139	964	KAPIL BHATI	Student	4/10/2019	12:54	133	AUDITORIUM
345	18BCOM44	4524	SHEETAL	Student	4/10/2019	12:54	133	AUDITORIUM
346	18BCOM43	4523	SHALINI	Student	4/10/2019	12:54	133	AUDITORIUM
347	18BCOM28	4508	NUPUR TANWAR	Student	4/10/2019	12:54	133	AUDITORIUM
348	18BCOM25	4505	MUSKAN	Student	4/10/2019	12:54	133	AUDITORIUM
349	18BCOM42	4522	SAKSHI GUPTA	Student	4/10/2019	12:54	133	AUDITORIUM
350	18BCOM47	4527	TANIYA SETHI	Student	4/10/2019	12:54	133	AUDITORIUM
351	19BAE010	860	ROHIT SINGLA	Student	4/10/2019	12:54	133	AUDITORIUM
352	19BAE017	867	SAUHARDH SINGH CHAUHAN	Student	4/10/2019	12:54	133	AUDITORIUM
353	19BAE002	852	GAURAV JAIN	Student	4/10/2019	12:54	133	AUDITORIUM
354	19BAP008	878	MORISHA SHARMA	Student	4/10/2019	12:54	133	AUDITORIUM
355	19BCOM43	823	SHREYA KHURANA	Student	4/10/2019	12:54	133	AUDITORIUM
356	19BCOM29	809	NIHARIKA TANEJA	Student	4/10/2019	12:55	133	AUDITORIUM
357	18BCOM67	4607	RITIKA THAKUR	Student	4/10/2019	12:55	133	AUDITORIUM
358	18BCOM10	4490	EKTA CHUGH	Student	4/10/2019	12:55	133	AUDITORIUM

359	18BCOM62	4602	SONAM YADAV	Student	4/10/2019	12:55	133	AUDITORIUM
360	19BAP019	889	EKTA YADAV	Student	4/10/2019	12:55	133	AUDITORIUM
361	19BAP017	887	RIYA	Student	4/10/2019	12:55	133	AUDITORIUM
362	19BBA123	983	SARUCHI CHOUDHARY	Student	4/10/2019	12:55	133	AUDITORIUM
363	19BBA084	744	SIDDHARTH SHARMA	Student	4/10/2019	12:55	133	AUDITORIUM
364	19BCOM83	1974	GAUTAAM BISLA	Student	4/10/2019	12:55	133	AUDITORIUM
365	19BBA168	92	NAMAN ARORA	Student	4/10/2019	12:55	133	AUDITORIUM
366	19BBA153	1976	AASHISH AGARWAL	Student	4/10/2019	12:55	133	AUDITORIUM
367	17BBA147	6967	JAYANT GANDHI	Student	4/10/2019	12:55	133	AUDITORIUM
368	17BBA093	6773	SURYANSH PRATAP SINGH	Student	4/10/2019	12:55	133	AUDITORIUM
369	17BBA116	6796	PALLAV RANJAN SHRIVASTAVA	Student	4/10/2019	12:55	133	AUDITORIUM
370	17BBA106	6786	VIJAYVARDHAN AZAD	Student	4/10/2019	12:55	133	AUDITORIUM
371	17BBA047	6727	NAMAN BANSAL	Student	4/10/2019	12:56	133	AUDITORIUM
372	18BBA075	4455	SIDDHARTH MANCHANDA	Student	4/10/2019	12:56	133	AUDITORIUM
373	17BBA080	6760	SHIVANI DAHIYA	Student	4/10/2019	12:56	133	AUDITORIUM
374	18BCOM15	4495	HRITIK SHARMA	Student	4/10/2019	12:56	133	AUDITORIUM
375	19BBA053	713	MUDIT SACHDEVA	Student	4/10/2019	12:56	133	AUDITORIUM
376	17BBA090	6770	SUPRIYA	Student	4/10/2019	12:57	133	AUDITORIUM
377	17BBA103	6783	VIBHUTI SAINI	Student	4/10/2019	12:57	133	AUDITORIUM
378	19BBA169	91	GOPAL GUPTA	Student	4/10/2019	12:58	133	AUDITORIUM

Report on Guest Lecture-

“Data Science and Artificial Intelligence

A guest lecture was organized by ECE dept. on 13.2.2020 from 1:30 pm to 2:30pm in Auditorium for all first year CSE students wherein the speaker Mr. Mohit Grover, Head of Automation and Innovation-Global Sales support Nokia presented about creation of analysis database, first clustering, labelization, model for implementing machine learning, importance of AI, future of work with AI, algorithms and various programming languages to be learnt for working with Data science and AI. He shared various links with students wherein the students can learn various programming languages very effectively and free of cost. Mr. Grover also informed students that this is the upcoming area of interest in industries and working in this area will help to fetch a good job in various industries.

Around 350 students attended his lecture and get benefited from his wide experience in this upcoming field.

(Coordinator-Dr. Anjali Garg, Dr. Mona Agarwal)







Report on **Skill Development Programme**

A Skill Development Programme organized by EECE and ME Department was started on 6.2.2020 to upskill the students in the area of automation using equipments provided by Mitsubishi Electric India Pvt. Ltd. This Programme is jointly conducted by NCU and Mitsubishi. The Programme included final evaluation and will provide certificate to the eligible students.

The first session on ‘PLC basics’ was conducted on 6.2.2020 wherein the students from ECE and ME Department participated in the Programme. This session included basic idea about automation, its need, about PLC, Ladder programming, application of programming on various systems which included gates, bottle filling plant, motor control, conveyer belt movement etc.

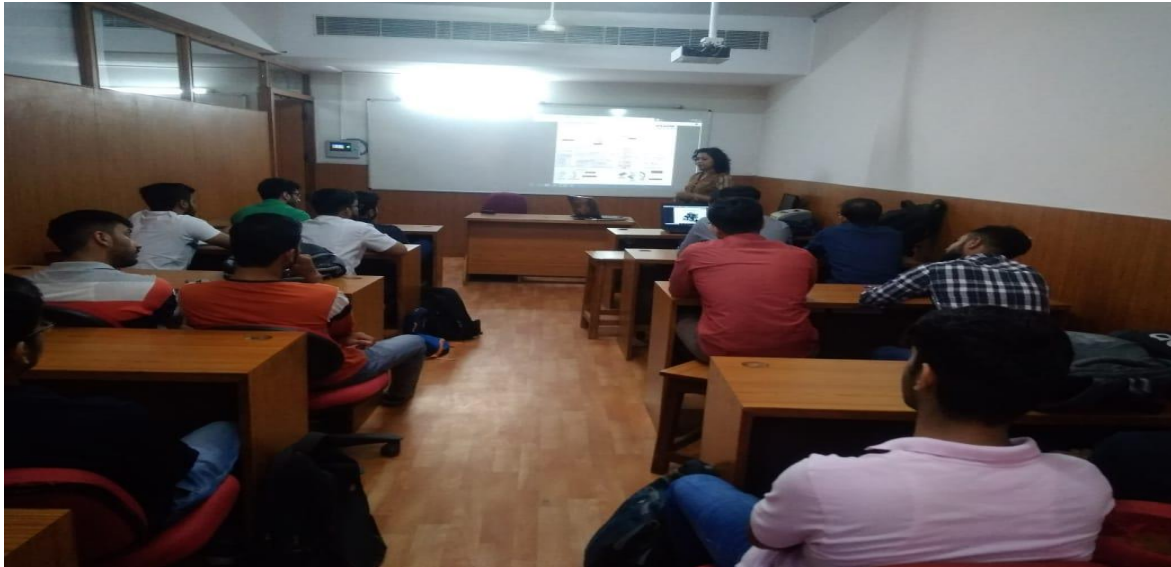
The second session on ‘Hands on session on PLC’ was conducted on 13.2.2020. This session included Ladder diagrams, its implementation in PC, basic information about Mitsubishi software GX works 3 for implementation, interfacing with the hardware, execution and troubleshooting of any related problem.

The third session on ‘HMI basics’ was conducted on 5.3.2020. This session included basics of Human Machine Interface (HMI), installing software, interfacing with hardware, control of hardware using software etc. and troubleshooting of any related problem.

The students found the sessions very beneficial to understand the basics of PLC, implementation, HMI which is required for further implementation on the actual

hardware provided by Mitsubishi Electric India Pvt. Ltd (MEI) under the banner of MOU between MEI and NCU.

(Co,ordinator- Dr.Anjali Garg, Dr. Anmol Bhatia, Mr. L.N. Joshi, Mr. Ajay, Ms. Yukti (student coordinator-EECE) and Mr. Ritik (Student coordinator-ME)





SKILL DEVELOPMENT PROGRAM ON AUTOMATION

(Joint EECE and ME Dept.)

Skill Development Programme based on Industry association with Mitsubishi Electric India Pvt. Ltd.(MEI) (Under banner of MOU between NCU and MEI)

Benefits: Skill will be developed based on Industry requirement and will be helpful in better job prospects

Target Students: ECE and ME students

Target Semester: Jan to June 2020

Schedule:

Total classes planned: 08

Sessions to be taken by MEI members: 02-03 (Support to NCU Members)

Sessions to be taken by NCU members: 05

NCU members involved:

Dr. Anjali Garg (EECE-Program Coordinator)

Dr. Anmol Bhatia (ME)

Mr. L.N. Joshi (ME-Technical)

Mr. Ajay (ECE-Technical)

Mr. Ritik (Student coordinator-ME)

Ms. Yukti (Student Coordinator-EECE)

Schedule: Timing-2:30 to 4:30 pm, Venue: room no. 216

Class	Title of the lecture	Remarks	Date
1	PLC Basics	By NCU	6.2.2020
2	Hands on session-PLC	By NCU	13.2.2020
3	HMI basics	By NCU	5.3.2020
4	Hands on session-HMI	By MEI and NCU	12.3.2020
5	Servo Basics	By NCU	19.3.2020
6	Hands on session-Servo	By MEI and NCU	26.3.2020
7	Scada Basics	By NCU	9.4.2020
8	Hands on session-Scada	By MEI and NCU	16.4.2020

Evaluation:

- will be done at the end of the program (23.4.2020)
- MCQ and programming will be part of evaluation
- Hardware implementation will be done based on programming

Certification:

Joint certificate (MEI and NCU) will be issued based on:

85% attendance/ 70 % score in end term evaluation

" Skill Development Program on Automation "

S. No.	Students Name	Roll no	Mechanical	06.02.2020	13.02.2020	05.03.2020	12.09.2020	19.03.2020	26.03.2020	09.04.2020	16.04.2020
1	Pratul thakur	18meu012		Pratul	Pratul	Pratul					
2	balpreet singh	18meu004		Balpreet	Balpreet	Balpreet					
3	niket	18meu010		Niket	Niket	Niket					
4	Aman Sharma	18meu003		Aman Sharma	Aman Sharma						
5	yash Gupta	18meu026		-A-	-A-						
6	Sushant	18meu020		Sushant	Sushant						
7	Vipul	18meu023		-A-	-A-						
8	Kushal garg	18meu008		Kushal	Kushal	Kushal					
9	mayank	18meu009		Mayank	Mayank						
10	Piyush	18meu011		-A-	-A-						
11	jatin	17meu009		-A-	-A-						
12	chandrakant joshi	18meu028		Chandrakant	Chandrakant						
13	Sarthak nanda	18meu017		-A-	-A-						
14	Rajat Jain	18meu014		Rajat Jain	Rajat Jain						
15	vitul kumar	18meu024		Vitul Kumar	Vitul Kumar						
16	Vishal thakran	17meu032		-A-	-A-						
17	Kushal Dogra	18meu007		Kushal Dogra	Kushal Dogra	Kushal Dogra					
18	himank	17meu018		-A-	-A-						
19	harshit	17meu006		-A-	-A-						
20	akshit	17meu002		Akshit	-A-						
21	manjeet	17meu012		-A-	-A-						
22	mohit sahni	17meu013		-A-	-A-						
23	deepanshu	17meu004		Deepanshu	-A-						
24	vedant	17meu030		-A-	vedant	vedant					
25	saransh	17meu021		Saransh	Saransh	Saransh					
26	manoj	17meu034		-A-	Manoj	Manoj					
27	aman	17meu003		Aman	-A-						
28	varnit	17meu29		-A-	-A-						
29	vikas	17meu031		-A-	-A-						
30	arpan	17meu037		-A-	-A-						
31	Divyam sachdeva	17ecu007	electronic	-A-	-A-						
32	Arjun Sehrawat	17ecu003		-A-	Arjun	Arjun					
33	kunal	17ecu011		Kunwar	Kunwar	Kunwar					
34	nishita	17ecu014		Nishita	Nishita	Nishita					
35	Haymil	17ecu009		Haymil	Haymil	Haymil					
36	Nishant	17ecu029		Nishant	Nishant	Nishant					
37	Shubham lamba	17ecu021		Shubham	Shubham						
38	Nikhil Rana	17ecu013		Nikhil	Nikhil	Nikhil					
39	Dipender	17ecu006		Dipender	Dipender	Dipender					
40	Rahul Yadav	17ecu030		Rahul	Rahul	Rahul					
41	Pradeep	18ecu017		Pradeep	Pradeep						
42	Ishaan	18ecu009		-A-	-A-						
43	Mimansha	18ecu015		Mimansha	-A-						
44	Satwik	18ecu032		-A-	-A-						
45	Sarvagya	18ecu022		-A-	-A-						

Prathia
5/03/2020

TNT
5/3/2020
Prathia
13/02/2020

TNT
13/2/2020
Prathia
13/2/2020

Prathia
06/02/2020

Kyau
5/2/2020
TNT
5/2/2020

YUKHI (Student Coordinator)
RIHK (")

YUKHI YUKHI YUKHI
RIHK RIHK RIHK

Webinar Report

On

“Transitioning to New Normal – Empowered by Emerging Technologies”

The CSI-NCU chapter had organized a webinar on ‘**Transitioning to new normal – Empowered by emerging technologies**’ on the **20th of June 2020 at 11.30am**, presided by the speaker **Mr. Abhinav Kapoor** (Sales Program Leader, Oracle Middle East). A total of 150+ registrations were received, out of them 115+ participants attended the event. The event began with a short inaugural speech which was delivered by **Mr. Arvind Sharma**, Regional Vice President of CSI (Region 1).

Further, Mr. Abhinav told us about the role of technology in new normal, the new emerging technologies and also how crisis lead to innovations. The event was broadcasted online on the YouTube Live platform. Following are the key learnings from the event:

- Humans innovating post every crisis
- Accelerating technology adoption
- Transformational technologies
- Role of technology in the ‘new normal’
- Various applications areas in present industry

About the Speaker:

Mr. Abhinav Kapoor comes with an experience of 18 years in IT, Engineering and FMCG industries. During this tenure he has taken up various roles across Business Development, Marketing, Strategy and Supply Chain. He earned an engineering degree in Instrumentation & Control from Kurukshetra University in 2001 and later went on to do MBA from IMT Ghaziabad in 2008. He currently lives in Dubai, United Arab Emirates with his family. At present he works with Oracle handling Strategic sales programs for middle east and Africa.

Faculty and student coordinators:

Dr. Shaveta Arora, Dr. Anuradha, Dr Sujata

Kartik Yadav (18csu105), Kartik Rao (18csu104), Muskan Arora (18csu133), Nishtha Virmani (18csu144)

Online Link: <https://www.youtube.com/watch?v=O4Nu58UEN50>



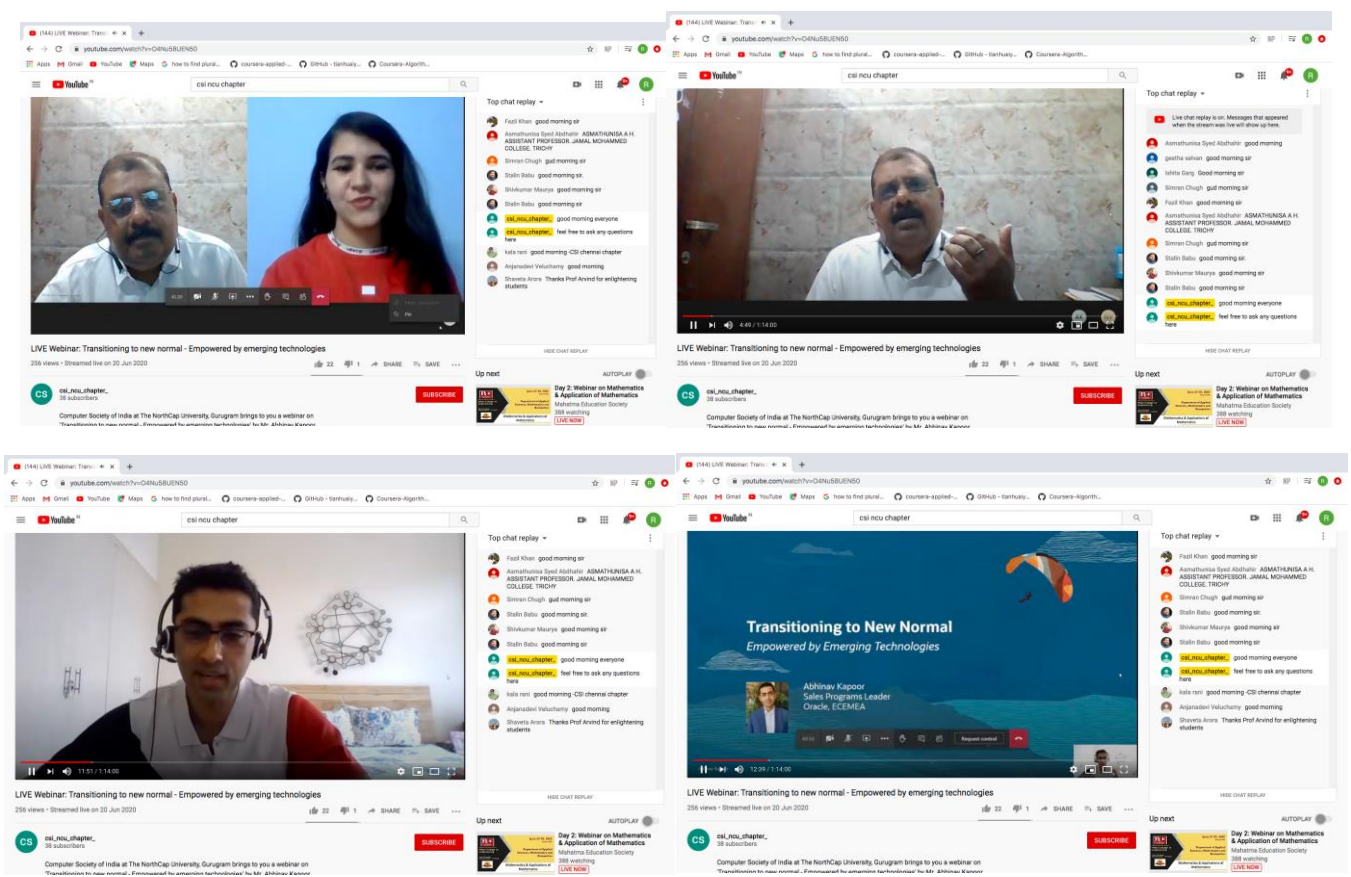
Registrations Received:

Total registrations: 150+

In house registrations: 90+

Total attendees: 115+

Photographs of the event:





The Gurgaon Model United Nations Conference 2019 Report

The NorthCap University organised the maiden edition of The Gurgaon Model United Nations Conference on 26-27 July 2019 (Friday-Saturday). The guiding idea of TGMUNC was to allow students to experience multilateral negotiations, acquaint them with the United Nations principles and procedures and help them to comprehend how members of the UN achieve resolutions. The conference saw a simulation of 6 committees:

1. United Nations General Assembly- Disarmament and International Security
2. United Nations Security Council
3. United Nations Human Rights Council
4. All India Political Parties' Meet
5. Indo-Pak Meet
6. International Press

The students were honoured to have Dr Ashok Divakar, Vice-Chancellor Starex University, Gurgaon; Ms Jyoti Sharma, HOD Social Science DAV P. S. Gurgaon and Adv Sanjeev Saini, President S.S Tax Consultancy Pvt Ltd as the Guests of Honour.

Scholars from various prestigious institutions partook in the conference. Multiple winners were selected from each committee and were awarded with certificates and trophies.

The event indeed witnessed prospective leaders discuss, debate, analyse and strategise to lead the international issues to peaceful resolutions through deliberations. Delegates and Teacher coordinators from renowned schools appreciated the efforts put in by the Organising Committee which was headed by Dr Divyabha, faculty Coordinator, Pranav Jain, Secretary-General and Rajan Sharma, Head of the OC. The conference proved to be a great learning experience for all participants, and everyone eagerly awaits the next edition.







Conferences,
Seminars
&
Workshops
2020-21



WEBINAR: ENTREPRENEURSHIP -AN OPPORTUNITY FOR FUTURE

About the event:

EWB NCU Gurugram organized a webinar on Entrepreneurship and how it's an amazing opportunity in the future. The speaker for the webinar was Mr. Ashish Khare, founder of Mentorkart and an avid public speaker. As the world has come to a standstill because of the current pandemic and corporate sector and markets are suffering the webinar highlighted on how various opportunities will be emerging for entrepreneurs. The speaker was able to motivate budding entrepreneurs and gave them knowledge and wisdom about the same. The session lasted for an hour and ended up with question answers.

Speaker:

- Mr. Ashish Khare
Founder MentorKart
Co-Founder IOT World Labs
Certified Business
Life Coach
Public Speaker and Startup Mentor
- Mr. Swaruup Gandewar Expert in Digital Marketing and skilled Business trainer.

Date of Event: 17th July 2020

Faculty Coordinators: Ms. Monika Yadav and Manvi Breja

Student coordinators: Bhavya Sharma, Rohan Bhardwaj

Poster



The poster features a yellow background with purple and white accents. At the top, there are logos for 'ENGINEERS WITHOUT BORDERS India', 'EWB-INDIA NCU GURGAON', 'EWB E-CELL', and 'NCU THE NORTHCAP UNIVERSITY'. The main title 'WEBINAR #19 ENTREPRENEURSHIP' is in large, bold, black letters, with the subtitle 'AN OPPORTUNITY FOR FUTURE' below it. A date box on the left shows '17 JULY' and 'TIMINGS 5.00 pm Onwards'. A registration link is provided: 'Register at :- https://bit.ly/3fj5d03'. A circular portrait of Ashish Khare is shown next to a 'MENTOR' logo. Below the portrait, his name 'ASHISH KHARE' is written in bold, followed by his roles: 'FOUNDER @MENTORKART' and 'CO-FOUNDER @IOT WORLD LABS'. On the left, the faculty co-ordinator 'MS. SHIPLA MAHAJAN' is listed, along with the note 'E-CERTIFICATE WILL BE PROVIDED TO ALL ATTENDEE'.

ENGINEERS WITHOUT BORDERS India

EWB-INDIA NCU GURGAON

EWB E-CELL

NCU THE NORTHCAP UNIVERSITY
(Formerly IIT University Gurgaon)
NAAC ACCREDITED

WEBINAR #19

ENTREPRENEURSHIP

AN OPPORTUNITY FOR FUTURE

17 JULY

TIMINGS
5.00 pm Onwards

Register at :-
<https://bit.ly/3fj5d03>

Exclusive Goodies For Attentive Attendees*

Faculty Co-ordinator
MS. SHIPLA MAHAJAN

ASHISH KHARE
FOUNDER @MENTORKART
CO-FOUNDER @IOT WORLD LABS

E-CERTIFICATE WILL BE PROVIDED TO ALL ATTENDEE

Registrations received:130

Registrations turn over: 100

Attendance

Name
Ashish Khare
Siddharth Gupta
AMAN SAINI
ajay alle
Anmol Dang
Prakash Singh
Dhruv Mehta
Bhavya Sharma
Amandeep
Madhav Khemka
Tanishqa Jain
Dhruv Rana
prabu prabu
Parul Bansal
Rituraj
Naman Goel
Naveen Kumar
Chirag Sardana
Sanketh Prabhu
Kashish Aggarwal
Bhavika Adlakha
Shreya Sureka
Khushpreet Kaur
Rishubh Gusain
Surya Teja
Rahul uppal
Harsh Yadav
Nayantara Prabhakar
Dhruv Gupta
Deepanshu Gupta
sarika behl
Sarthak Chawla
Shaik Ibrahim
Prakhar Bansal
Parul Behal
Satmeet Kaur
Yashika

Diksha
Rishabh Jain
Abhishek Parashar
Bhavyam Gupta
Rahul Chawla
Ridit Dhawan
Bhavuk khanna
Muskan Singh
Tanu Verma
Jhalkesh Pathak
Swaaruup Gandewar
Dikshit
Namit Kumar
Tarun Sharma
Yogesh Vilas Patil
PIYUSH SACHDEVA
Aman Sharma
Gaurav Bisht
jagrit khanduja
Dr.T.Rammohan
Morrish Kumar
Bhavya Sharma
Dr. Ch
Aman Saini
Abhas Singh
AMAN SAINI
Pranav Sharma
Ujjawal Yadav
Pearl Arora
Tuhini Dhankhar
Naman Bhatia
Apoorva Gosain
Aakash kumar mishra
Nancy Jangid
Shubh Goyal
Anshul Gambhir
ADDEPALLI V S Y NARAYANA SARMA
Neha Malik
Pranshi Ahuja
Shweta Sharma
Mitali Sehgal

Gayatri Phade
Angel Reymon
Udyan Makhija
priya ishu
Hunny
Keerthana G
Nupur Tomar
Pankhudi Saraswat
nikhil kathuria
Bhavya Sharma
Rohan Bhardwaj
Mohammed Ilyas
NAVEEN R
RAKESH KUMAR J
Chinmay Patil
SanjanaM 306
Prashant Gupta
Keerthana Ramesh
Lavanya
subha s
Jackson C
Vijaya vijju
Ujjwal Garg
Black Gaming
KALAIYARASI R
Amala Pudota
MURUGAN SIVA
Sunita Sharma
Amit Sharma
Yukta Yadav
Subasree
Aaditya sharma
Sandeep Mishra
Harshita Rajoriya
Skshabrin Manju
G bhuvanabindu
Praveena Kasilingam
Ravichandran Raja
Bhavya Gulati
Anshika Chaudhary
Rakesh Nayak

Mohit Bhatia
bhawna singh
Kush Pujari
Akansha rana
Madhumitha V
T satish Kumar
Rithika Rithika
Dheeraj Yadav
Sanjay Gadhalay
Ashok Juneja
Nitin Pratap

REPORT

on

Faculty Development Program

on

“New Digitally Enhanced Education”

for

“Covid19 digital Era of Education”

(20th July 2020 to 25th July 2020)



THE NORTHCAP UNIVERSITY, GURUGRAM-122017

The NorthCap University announces
an online faculty development programme on

NEW DIGITALLY ENHANCED EDUCATION

Learn Instructional Design, Innovation Tools, Techniques,
Pedagogies and Research Methods for

COVID-19 DIGITAL ERA OF EDUCATION



20th - 25th July

PANEL MEMBERS



Prof Prem Vrat
Pro Chancellor
The NorthCap University



Prof HB Raghavendra,
Vice Chancellor
The NorthCap University



Dr. Swaran Ahuja
Senior Professor
& Dean Academics,
The NorthCap University



Dr. Agueda Benito
Head of Academic
Excellence - Cintana
Education, USA



Dr. Anbu Rathinavel
School of Design
Thinking Chennai, TN



Mr. Sachin Jain
Senior Advisor,
South Asia, Cintana
Education USA



Dr. Mehmat Ali Tugtan
Chair, Istanbul Bilgi
University Distance
Education Center
(UZEM)



Mr. Manish Gupta
Co Founder & Vice
President Business
Development, Edubrite
System Inc., USA



Prof. Prabha Sharma
Honorary Professor,
The NorthCap University
Department of Applied
Sciences and CSE (Ex-
Professor, IIT Kanpur)



Dr. Luis Diego Vega Araya
Psychology
Professor and Chair of
Publications Department,
Universidad Latina
De Costa Rica



Dr. Kavita Khanna
Head of Department,
Department of Computer
Science Engineering
The NorthCap University



Dr. Rekha Vig
Dy. Dean Academics
The NorthCap University

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Report on Faculty Development Program

1. Introduction

The Six days Faculty development was designed to craft the ways and means of delivering the Online Classes and improve the teaching learning Pedagogy at NCU with recommendations from Dr. Agueda, Cintana Education. The objectives were to create awareness on:

- Best Practices in Online Teaching
- Increasing Student Engagement
- Digital Tools & Techniques
- Stress Management
- Design Thinking in Online Teaching
- Instructional Design Workshop
- Prototype Model Designs
- Processes & Guidelines

The sessions of the FDP were planned to meet the desired objectives. Schedule of the FDP has been enclosed

2. Day-wise Report of the Sessions Conducted

A. Monday 20th July 2020

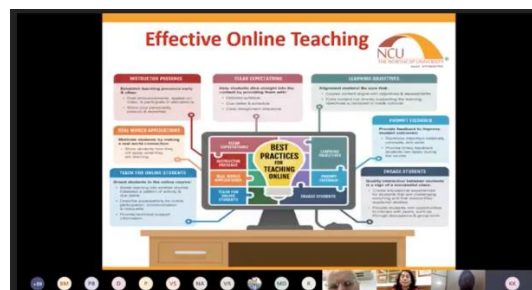
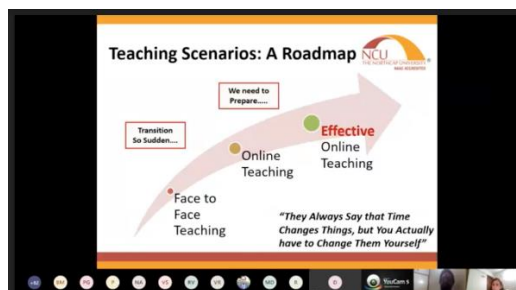
i) *Inaugural Session:*

Ms. Deepika, Dy. Manager HR gave a wonderful introduction to the FDP and the FDP was started on an auspicious note by paying respect to the Goddess of Learning and Saraswati Vandana.

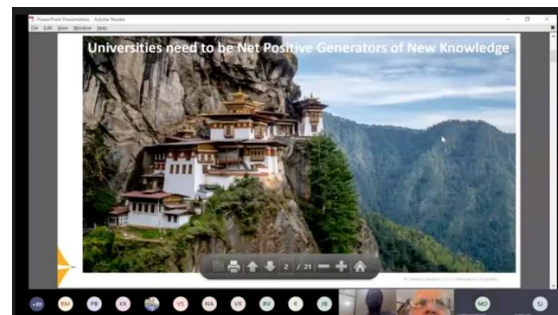
In their Inaugural Speeches Prof Prem Vrat, Pro Chancellor, NCU and Prof HB Raghavendra, Vice Chancellor, NCU encouraged and motivated the faculty to explore all possible ways to enhance the online teaching experience of both faculty and students.



A presentation on Current Online teaching scenario and way forward at NCU was delivered by Dr. Kavita Khanna and Dr. Rekha Vig, CSE Deptt., where they shared the details and outcomes of the survey conducted on the emergency online teaching session during March-May, 2020 at NCU and also emphasized on the preparedness for the new online session in the upcoming semester.



Our Special guest Mr. Sachin Jain, Senior Advisor, South Asia, Cintana Education spoke on the Landscape of Higher Education, opportunities of differentiation and success. He discussed the factors which should be dwelt with to take the higher education at The NorthCap University at a higher level.



ii) Presentation on Best Practices by all Departments (10:30 am to 1:00pm):

All Schools and departments were asked to give presentations on the best practices followed so far during the first phase of online teaching. The session was successful in terms of bringing out the best from each department and thus was helpful in providing the motivation to all others to follow the good professional practices.

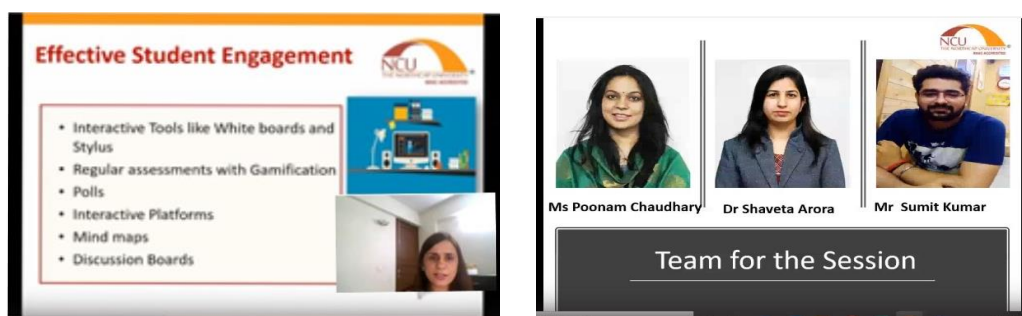
iii) Online teaching-learning tools & techniques by CSE Department (2:00 pm to 4:00 pm)

Department of Computer Science & Engineering, The NorthCap University organized this session to gear up for the coming semester as part of its FDP program to train the trainers. The session was a complete hands-on of some popular digital learning tools that would help students and teachers to interact, collaborate and practice technical concepts online.

HOD, Dr. Kavita Khanna lead the session with an interactive hands-on practice using tools like Kahoot, Microsoft Ink Workspaces for Stylus, Ideaboardz to name a few. Furthermore, Mr. Sumit Kumar, Assistant Professor, CSE gave practical

demonstration of two popular apps namely Quizlet for creating interactive quizzes through gamification and Coggle for visualizing and creating elegant mind maps. The session was then followed by Dr. Shaveta Arora, Assistant Professor, CSE on tools like Quizizz for gamifying a monotonous technical quiz and Polly to take student polls for getting regular feedbacks. It was then concluded with another hands-on given by Ms. Poonam Chaudhary, Assistant Professor, CSE on tools like Jognog and Flipgrid for creating online flip classrooms.

The session was very informative and fulfilled its objective of training educators to enhance the online teaching experience of students as well as the faculties. All the participants have actively participated and has enjoyed the session thoroughly.



B. Tuesday 21st July 2020

i) ***Panel Discussion on Effective online education and building enhanced online resources lead by Dr Rekha (9:30 am to 10:30 am):***

A Panel Discussion on “Effective online education and building enhanced online resources” was held during FDP. The members of the Panel were:

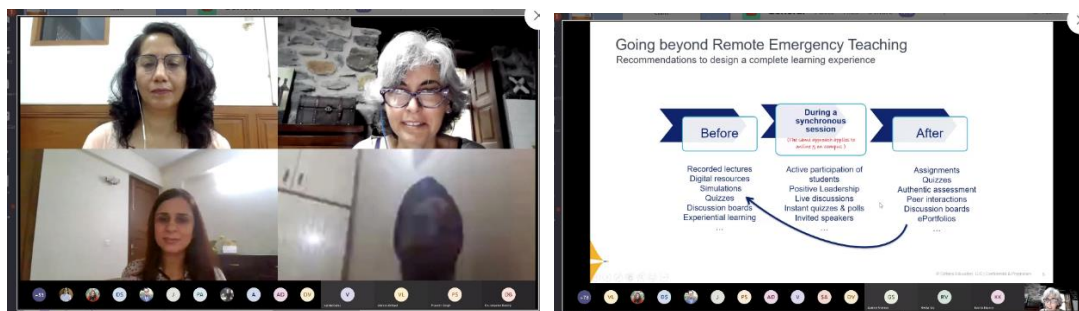
1. Dr. Luis Diego Vega Araya - Psychology professor and chair of publications department, Universidad Latina de Costa Rica
2. Dr. Mehmat Ali Tugtan-Chair, Istanbul Bilgi University Distance Education Center (UZEM)
3. Mr. Manish Gupta – Co-founder and Vice President Business Development, Edubrite Systems Inc., USA
4. Dr. Prabha Sharma- Honorary Professor, The NorthCap University, Department of Applied Sciences (Ex-Professor, IIT Kanpur)

The members presented the Online teaching scenario in their Universities and in corporate sector. Prof. Prabha Sharma shared her experience of developing online courses at IIT Kanpur. Q&A and discussion on topics like how to make the online teaching more collaborative and enhance the self-motivation levels of students for online learning. The Panel Discussion was moderated by Dr. Rekha Vig.



ii) Enhancing Digital Experience and ASU resources by Dr Agueda Benito (11:00 am to 12:00 noon)

Session on ‘Designing the future Educational Model at NCU’ was conducted by Dr. Agueda Benito of Cintana Education. She spoke about designing and delivering effective learning experiences and the importance of active participation of students, positive Leadership, live discussions, instant quizzes & polls and invited speakers during online classes. Some key aspects of the design & delivery including curriculum design, class management, communication and feedback and assessment of students’ performance were discussed and shared by her.



iii) Stress Management Session (12:00 noon to 1:00 pm) by The Art of Living Trainer Ms VinayShree Khurana organized by Ms Deepika Bishnoi, HR NCU

In view of the ongoing challenges, a Stress Management Session was organised by The Art of Living with sole aim to address current issues faced by majority of our employees and teach them few meditation techniques.

The overview is as follows:

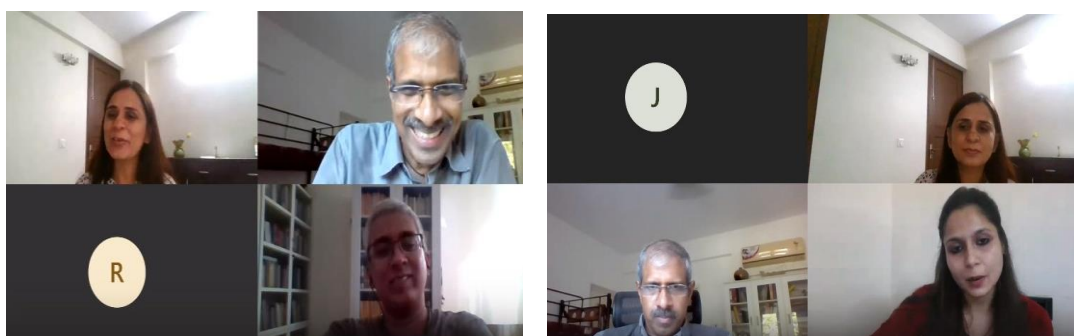
1. Why stress- Tendencies of mind
2. What is stress
3. Sources of energy
4. Importance of breath
5. Take-aways
6. Desktop Yoga
7. Five-minute stress relieving Breathwork technique- Pranayama
8. Guided meditation

The session encouraged active engagement with all participants as they virtually connected and practiced various exercises and stress relieving techniques.



iv) *Effective Online Teaching using Design Thinking by Dr. Anbu Rathinavel and Mr. Ramakrishnan V., School of Design Thinking, Intellect Design Arena, Chennai*

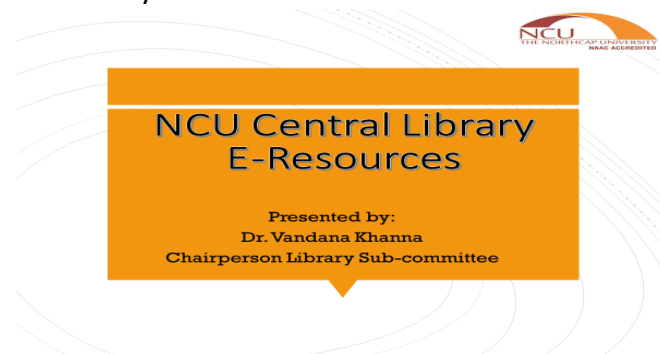
Dr.Anbu Rathinavel, Head and Co-founder, School of Design Thinking and Dr. Ramakrishnan V. , Vice President at Intellect Design Arena Ltd. delivered a session as a part of Faculty Development Programme on 21st July 2020 on the theme “Design the Thinking: Designing Learning Experience”. They focussed on evangelizing Design Thinking as a culture in the university – from ‘Design Mind’ to ‘Design Being’. Highlighting the traditional learning process, defining design thinking from different angles and quoting different case studies with real time scenarios were key aspects of the session. Few interesting design thinking tools such as Journey Mapping and Personas were shared in order to empathize with the students taking them towards a better online teaching-learning pedagogy. The session ended leaving the participants with recommendations to improve the teaching-learning process at NCU such as gamification of content, introduction of flip learning and question led live classrooms.



C. Wednesday 22nd July 2020

i) **Online resources at NCU (9:00 am to 9:30 am)**

Dr. Vandana Khanna (Chairperson of the Library Sub-committee) presented on the topic- NCU Central Library E-Resources. She informed about all the subscriptions of e-resources by the university to all the faculty members. She demonstrated the access of MGH e-books for which the NCU has perpetual licenses. Dr. Vandana also discussed in detail about all the open access Govt. aided platforms of e-resources and demonstrated the ways to access them.



ii) **Instructional Design Workshop (9:30 am to 4:30 pm)**

The workshop was conducted by the respective departments to work on the Design of the LMS, Assignments and Quizzes for the courses to be run. They were asked for identifying the best LMS in the department to be showcased.

This activity helped the departments to complete the LMS, assignments and quizzes design for all the courses for the upcoming semester.

D. Thursday 23rd July 2020

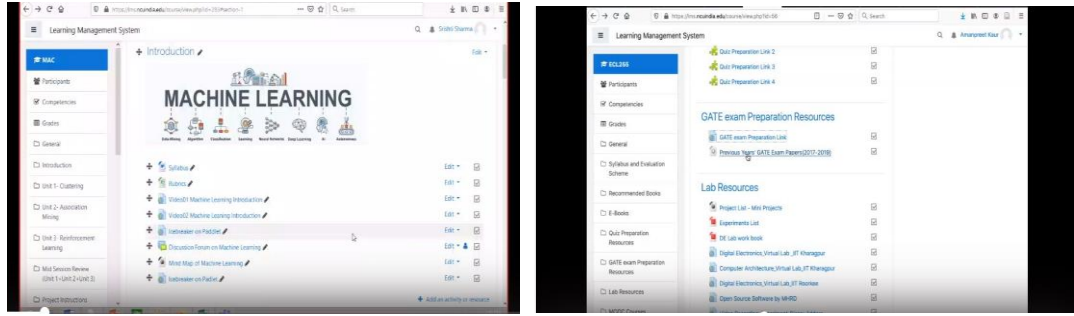
i) **Instructional Design Workshop (9:30 am to 11:00 am)**

The workshop started on 22nd July continued in this session as well.

ii) **Presentations of Instructional design (11:00 am to 4:00pm)**

This session was specifically designed to showcase the best LMS's in each of the department. All the Schools and departments were asked to showcase the three best LMS from there department.

The session brought out the best from each department and the engagement was appreciable. Most of the faculty explored ample new features of LMS which were unexplored till date from last so many years. It was wonderful to see that almost all departments have used the tools and techniques showcased in this FDP program in the initial days.



E. Friday 24th July 2020

Prototype/Model presentation

The following course types were identified for online teaching for next semester. All the related departments prepared prototype models of these types of courses.

Unique Course Type	Department
Software Programming Based Courses	CSE
Project Based Course	CSE+ECE+ME
Research Project based course	Law
Clinical courses	Law
Procedural Law courses	Law
Moot Court training	Law
Lab only (CAD based Designing /Programing/MATLAB Coding+Drawing) / Field based(O-O-P)	CEE+ME
Theory + Lab (language)	CLL
Applied Mathematical Courses	APS
Purely theory (&Mathematical) and derivation based courses	APS
Theory + Lab (Hardware)	EECE+ME
Theory only	SOM+CSE+ME
Theory + Tutorial(Case studies)	SOM
Theory + Lab (Software)	EECE
GP	ECE
seminar	ME
industrial training	CEE
Major Projects	ME+CSE+ECE+CEE

The prototype model included:

1. The tools required to teach the course types.
2. Format eg. number of quizzes/assignments/presentations by students required or not
3. Extent of involvement of students

4. Team work/collaboration among students required or not
5. The type of lab and how it would be conducted
6. Case/studies/tutorial/language/labs and how they will be conducted
7. Evaluation rubrics

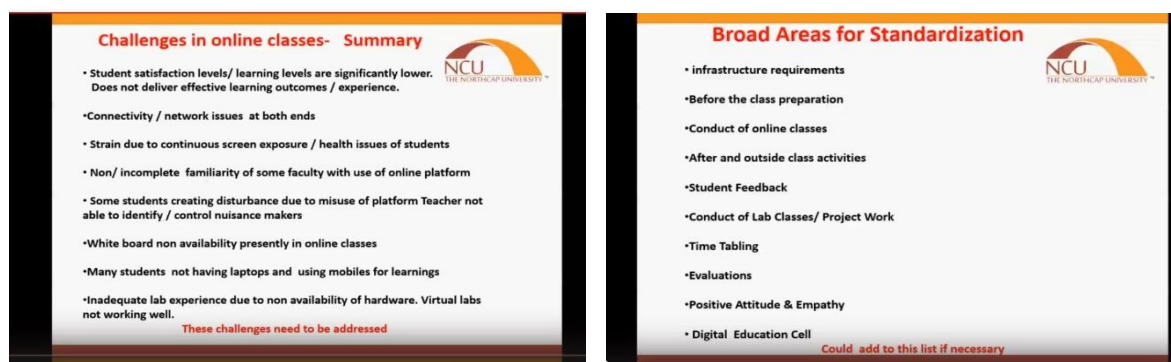
The model was presented by the respective departments and a word document including mandatory procedures/guidelines has been submitted by the department for the course.



F. Saturday 25th July 2020

Guidelines for Online delivery (9:30 am - 10:30 am) by Prof Swaran Ahuja, Dean Academics

Prof Swaran Ahuja delivered comprehensive guidelines to be followed for the upcoming semester. The guidelines incorporated all the best practices and suggestions given by all the experts during this FDP. He appreciated the FDP and the efforts put in by all the departments in coming out with the innovative ideas. He further stressed that this FDP would move us one level above the earlier phase of online teaching.



Valedictory Session

The valedictory session comprised of the following three activities:

i) Best model prize and best LMS prize (10:30 am - 11:30 am)

During FDP, faculty prepared LMSs and Online delivery models as preparation for the next semester. A panel of judges was made chaired by Dr Rohit Lather and comprising of all the Head of Departments of all the Schools.

The top three best LMS and best Prototype Model for online delivery - prizes were announced by the Vice-Chancellor for those who did excellent presentations in the respective categories during the FDP.

The results of the competitions are as follows:

Best LMS:

First Prize - shared between CSE (Ms Poonam Choudhary and Ms. Srishti Sharma) and ECE (Ms. Amanpreet)

Second Prize - Civil Dept. (Mr. Lokesh Choudhary)

Third Prize - SoM (Ms. Jiveta Choudhary)

Best Prototype Model

First Prize - shared between CSE (Ms. Prerna, Mr. Sumit & Ms Neeti Kashyap) & CLL (Dr. Divyabha & Dr Shrutumita)

Second Prize - CSE (Ms. Srishti Sharma)

Third Prize - ECE - shared between Dr. Anjali Garg for GP and Ms. Amanpreet for Major Project

Cash prizes of Rs 3000, Rs 2000, Rs 1000 is awarded to first, second and third top positions, respectively.

Vice-Chancellor felicitated the awardees and shared his appreciation for the FDP co-ordinators and the faculty members who actively participated and made this a success.

ii) Feedback by Dept Representatives:

An online feedback form has been shared with all participants to capture their experience and concerns, which is compiled through google forms for future use.

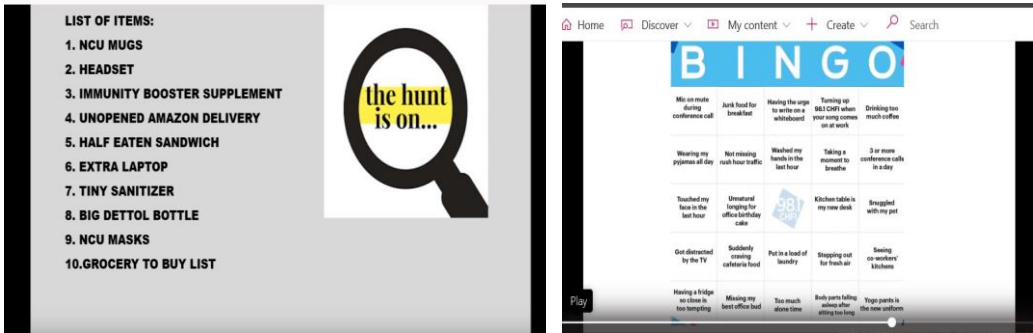
Apart from this, during the interaction on MS Teams, one representative from each dept was invited to share their experience and learnings. The aim was to know what went great and what could be fine-tuned in future. The following representatives spoke on behalf of their respective departments:

APS: Dr Sunita Sharma, CLL: Ms Tulika and Dr Divyabha, Psychology: Dr Nalini and Dr Neha, Civil: Mr Lokesh Choudhary, CSE: Ms Chaitali and Ms Vaishali Kalra, ECE: Dr Anjali Garg, MECH: Dr Rohit Lather, Law: Ms Deborisha Dutta , SOM: Dr Priyanka Banerji.



iii) **FUNCU:**

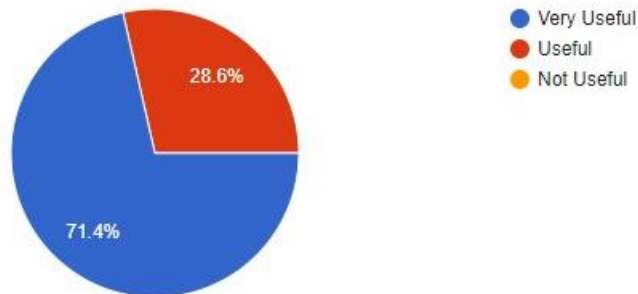
To conclude the whole FDP program, the participants came together for a virtual High Tea and engaged in fun games like scavenger hunt, bingo on MS Teams. This helped us to engage, rejuvenate and elevated the spirit of oneness at NCU.



3. Faculty Feedback on FDP

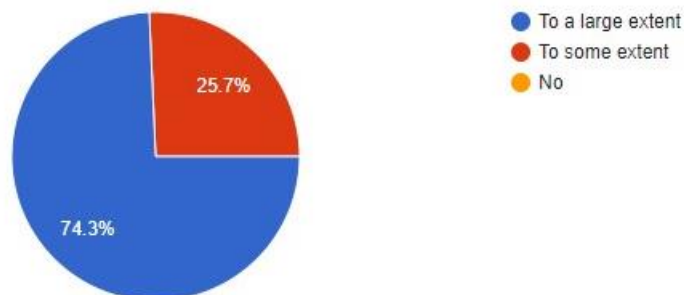
Participants - A total of **70 faculty** from SOET, SOM, SOL and APS out of approx. 100 faculty participated in the survey conducted during the valedictory session.

- **How useful was the FDP in preparing you for Online teaching in upcoming semester?**



Unanimously all faculty members found this FDP to be either useful or very useful

- **Was the program successful in meeting its objectives?**



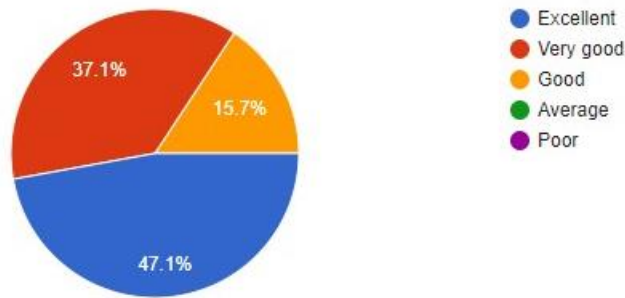
Majority of the faculty believed this FDP was successful in meeting its objectives. Not even a single faculty has disagreed to it.

- **Which session did you find most interesting?**

The following sessions were found most interesting by Faculty (first three):

1. *Online Teaching Learning Tools (75%)*
2. *Effective Online Teaching using Design Thinking (64%)*
3. *Guidelines on Online Teaching (47%)*

- **How would you overall rate the FDP?**



Around 84% faculty have rated this FDP as very good or excellent. Rest 16% have rated it under good category

Positive Feedbacks

- ✓ *Far better than the FDP we had last year!!! Similar full-strength activities should be ideated and conducted. This will build camaraderie and belongingness to the University.*
- ✓ *Well organized FDP with full of knowledge.*
- ✓ *Awesome FDP. We learnt a lot from each other.*
- ✓ *Over-all it was very informative and valuable 6 days FDP in comfortable environment.*
- ✓ *Very good sessions, we are looking forward to a very successful semester with all these tools, this will make overall student experience very good.*
- ✓ *Would like to attend more.*

Suggestions

- *NCU LMS has many functions that we do not use but if used could be useful. Those functions should have been discussed in a dedicated session.*
- *The timings at times went way beyond the schedule. We can keep some buffer time to ensure that timings can be adhered to.*
- *There should be separate FDPs on legal aspects because tools and mechanism are different from other's courses. Otherwise this FDP was excellent in understanding general pedagogy.*
- *No session on how to deal with mental health of the students*
- *Stylus be provided by the University*
- *Considering the fact that every academic field has its unique teaching learning pedagogy, there should be a balance in designing the contents of FDP so that everyone is benefited, and the process becomes more fruitful. Separate sessions with experts may be organized school wise.*

Annexure I

UNIVERSITY LEVEL FDP (Online) - NEW DIGITALLY ENHANCED EDUCATION

Duration: 20th -25th July, 2020

Coordinators: Dr. Kavita Khanna and Dr. Rekha Vig, CSE Dept

Prerequisite – Registering for Online conference <https://www.theremotesummit.org> , Stylus, preparation of LMS content and exploring LMS for more features (at least 40% course content)

Before Tasks:

1. All HoDs/DoSs to identify the different types of courses to be offered in the next semester: July 10.
2. Identify best practices and faculty who delivered those best practices in online lectures, 2 speakers from each department/school to present the best practices and the Prototype Model

DETAILED FDP SCHEDULE:

Monday, 20 th July 2020		
TIME	SESSION DETAILS/TOPIC	SPEAKER
9AM - 9:30AM	Introduction to FDP	Ms. Deepika, HR
	Inaugural Speech	Prof Prem Vrat, Pro Chancellor, NCU
		Prof HB Raghavendra, Vice Chancellor, NCU
	Current Online teaching scenario and way forward at NCU	Dr. Kavita Khanna and Dr. Rekha Vig, CSE DEPT
9:30AM - 10AM	Landscape of Higher Education, opportunities of differentiation and success	Mr. Sachin Jain, Senior Advisor, South Asia, Cintana Education
10:30AM - 11:30AM	Presentation on Best Practices by departments: ECE, MECH, CIVIL	Faculty from respective dept
11:30AM - 1:00PM	Presentation on Best Practices by departments: SoL, SoM, APS and CLL	Faculty from respective dept
1PM - 2PM	LUNCH BREAK	
2PM - 4PM	Online teaching-learning tools	Dr Kavita Khanna, HoD- CSE

Task: Formation of faculty teams/groups teaching different types of courses within department

Tuesday, 21st July 2020

9:30 AM- 10:30 AM	Panel Discussion on Effective online education and building enhanced online resources	MODERATED BY: DR REKHA VIG PANEL MEMBERS: 1. Dr. Luis Diego Vega Araya - Psychology Professor and Chair of publications department, Universidad Latina de Costa Rica 2. Dr. Mehmam Ali Tugtan -Chair, Istanbul Bilgi University Distance Education Center (UZEM) 3. Mr. Manish Gupta – Co founder and Vice President Business Development, Edubrite Systems Inc., USA 4. Prof. Prabha Sharma - Honorary Professor, The NorthCap University, Department of Applied Sciences and CSE (Ex-Professor, IIT Kanpur)
10:30 AM-11 AM	BREAK	
11AM - 12 NOON	Enhancing Digital Experience and ASU resources	Dr. Agueda, Head of Academic Excellence - Cintana Education
12 NOON - 1 PM	Stress Management session	Art of Living trainer: Ms Vinayshree Khurana
1PM - 2PM	LUNCH BREAK	
3PM - 5 PM	Effective Online Teaching using Design Thinking	Dr. Anbu Rathinavel and Mr. Ramakrishnan V. , School of Design Thinking, Intellect Design Arena, Chennai

Wednesday, 22nd July 2020

9AM - 9:30AM	Online resources at NCU	Dr Vandana Khanna, Chairman Library Sub-Committee, NCU
9:30AM - 1PM	Instructional design workshop (LMS)	By all dept faculty in groups
1PM - 2PM	LUNCH BREAK	
2PM- 4:30PM	Instructional design workshop (Quiz)	By all dept faculty in groups

Thursday, 23rd July 2020

9:30AM - 11AM	Instructional design workshop (Assignment)	By all dept faculty in groups
11AM - 1PM	Presentations of Instructional design (LMS/Quiz/Assignment)	By all dept faculty in groups
1PM - 2PM	LUNCH BREAK	
2PM - 4PM	Presentations of Instructional design (LMS/Quiz/Assignment)	By all depts

Friday, 24th July 2020

9AM – 9:15 AM	Prototype/Model presentation of Software Programming Based Courses	CSE
9:15 AM – 9:30 AM	Prototype/Model presentation of Theory + Lab (Hardware)	EECE
9:30 AM-9:45 AM	Prototype/Model presentation of Lab only (CAD based Designing/Programming/MATLAB Coding + Drawing) / Field based (0-0-P)	CEE
9:45 AM -10:00 AM	Prototype/Model presentation of Applied Mathematical Courses	APS
10:00 AM-10:15 AM	Prototype/Model presentation of Theory+ Lab (Language)	CLL
10:15 AM-10:30 AM	Prototype/Model presentation of Research Based Project Course	Law
10:30 AM- 10:45 AM	Prototype/Model presentation of Theory Only course	SOM
10:45 AM- 11:00 AM	Q/A , Suggestions, Feedback	
11AM -11:30AM	BREAK	
11:30AM – 11:45 AM	Prototype/Model presentation of Clinical Courses	Law
11:45 AM – 12:00 PM	Prototype/Model presentation of Project Based Course	CSE
12:00 PM – 12:15 PM	Prototype/Model presentation of Theory + Lab (Software) Course	EECE
12:15 PM- 12:30 PM	Prototype/Model presentation of Procedural Law Courses	Law

12:30 PM- 12:45 PM	Prototype/Model presentation of Purely theory (&Mathematical) and derivation-based courses	APS
12:45 PM – 1:00 PM	Prototype/Model presentation of Theory + Tutorial (Case Studies)	SOM
1:00 PM -1:15 PM	Prototype/Model presentation of Moot Court Training	Law
1:15 – 1:30 PM	Q/A , Suggestions, Feedback	
1:30PM - 2:30PM	LUNCH BREAK	
2:30PM – 3:00 PM	Evaluation rubrics design Prototype: Major Projects	ME
3:00 PM – 3:30 PM	Evaluation rubrics design Prototype: Industrial Training	CEE
3:30 PM- 4:00 PM	Evaluation rubrics design Prototype: GP	ECE
4:00 PM – 4:20 PM	Evaluation rubrics design Prototype: Seminar	ME
4:20 PM – 4:30 PM	Q/A , Suggestions, Feedback	
Saturday, 25th July 2020		
9:30AM - 10:30AM	Guidelines for Online delivery	Prof. Swaran Ahuja, ECE DEPT, NCU
10:30AM - 11:20AM	Best model prize and best LMS prize	Dr Kavita/Dr Vig
11:20AM-11:30 AM	Valedictory session	Ms. Deepika, HR
2:30 PM- 4:30 PM	Session with students by respective Departments	



ICCSDF 2021 Report

Department of Computer Science & Engineering, The NorthCap University, Gurugram, organized the "International Conference on Cyber Security and Digital Forensics (ICCSDF 2021)" on 3rd-4th April 2021, in Virtual Mode.

ICCSDF-2021, an international conference was organised with the aim to bring together leading academic scientists, researchers, and Industrialists to exchange and share their experiences and research results in all aspects of Cyber Security and Digital Forensics. This conference was conceived after analyzing the increase in the prevalence of cybercrime attacks on business organizations, government infrastructures, and individuals. With this conference, we encouraged the community of multinational researchers to showcase the research work done in their field of Cyber Security. The conference provided opportunities for researchers to learn about the latest developments through scientific information interchange in the field of Cyber Security and Digital Forensics.

We received a large pool of entries from all across India, all accepted papers will be published by Springer, in the book series "Lecture Notes on Data Engineering and Communications Technologies" (Scopus Indexed).

The tracks of the conference include but not restricted to:

- Track 1 # Cryptology and its Applications
- Track 2 # Cyber Security and Digital Forensics
- Track 3 # Network and Mobile Security
- Track 4 # Blockchain and Software Technologies

We were honored to have **Dr. Gulshan Rai**, Former National Cyber Security Coordinator, at the Prime Minister Office, Government of India as our Honourable Chief Guest to grace the occasion. He emboldened our audience with his impeccable words and extraordinary insights from his remarkable career and life experiences.

The occasion was also graced by Hon'ble Pro chancellor, Prof. Prem Vrat. He provided the immense support and motivation to the organizing team. It was a sheer joy for our entire faculty, students, and delegates to hear and learn from him.

The first day of the conference was witnessed by 2 keynote speakers:

- 1) Prof. (Dr.) Gregory Conti (International Speaker)- the Co-Founder and Principal at Kopidion, a cyber-security training and professional services firm. Previously, he was Director of Security Research at IronNet Cybersecurity.
- 2) Ms. Vandana Sehgal - the Security Solutions Architect at IBM India Software Labs. She is also a member of the OWASP Global Board of Directors.

The second day of the conference was witnessed by two more keynote speakers.

- 3) Mr. Parthasarathy – Leader South Asia Cyber and Strategy services, APAC cyber-Innovation, Deloitte.
- 4) Mr. Santosh Khadsare – Cyber Forensics Expert, Govt. of India.

The occasion was commenced with virtually lighting the holy lamp and prayers of goddess of knowledge and success, Goddess Sarasvati. The lamp was lighted by all the hon'ble members. Then the computer science department showcased a short glimpse of CSE 2020 through a video. Then the event began by keynote sessions, Prof. Gregory Conti delivered session on “the current and Future state of Cyber security: Deflecting the Trajectory”. In this session he explained that considering the role of cybersecurity and the often-perverse incentives that are driving the global community in damaging directions and how each of us can do our part in shaping a secure future where we want to live. Collectively, we can and must make a difference. Ms. Vandana presented the session on “Careers in AppSec: Lead with grit”. The session included useful information on certifications that anyone can pursue in the field of cybersecurity without having much knowledge of software programming languages.

Mr. Khadsare delivered session on “Digital Forensics”. The session explained that internet never deletes or forgets the information and included the anti-forensics techniques.

Mr. Parthasarthy presented a session on “Digital Era and its impact”. Session included questions and told everyone that they are really at the "Right Place at Right Time".

All the four keynote sessions by keynote speaker included useful information on Cyber Security and Digital Forensics. The sessions were very interactive, and all the participants have given exceptionally positive feedback on the sessions. The presence of speakers created a positive aura that brought in clarity of real-time and the latest attacks in the applications in that short span of time. Keynote speaker Mr Shree Parthasarthy, also offered five internships to our students in Deloitte at the end of his session.

Prof. Kavita Khanna took the opportunity to thank our Hon'ble members, chief guest, Pro chancellor sir for sharing their thoughts. She also thanked keynote speakers for sharing the key insights and guiding our students for going into different opportunities and showing us various options and paths available for them to take up in the domain of cyber security. She likewise thanked Governing body, Vice chancellor, Dean academics for their continuous support. She thanked entire organising team, all the student coordinators, all the faculty members and technical staff for their hard work commitment, planning and coordinating the event. At the end she acknowledged the work of all the participants and authors for submitting good quality paper. She encouraged all the delegates and attendees to participate in the discussion of paper presentations

Then papers were presented by the authors in 8 different tracks/sessions. The sessions were chaired by 10 session chairs of various universities from all across India.

Find below the youtube links for Day 1 and Day 2 of the International Conference (3rd-4th April 2021)

Day 1: <https://www.youtube.com/watch?v=dZFXM5JMxUI>

Day 2: <https://www.youtube.com/watch?v=K2wqRO4Bxo0>

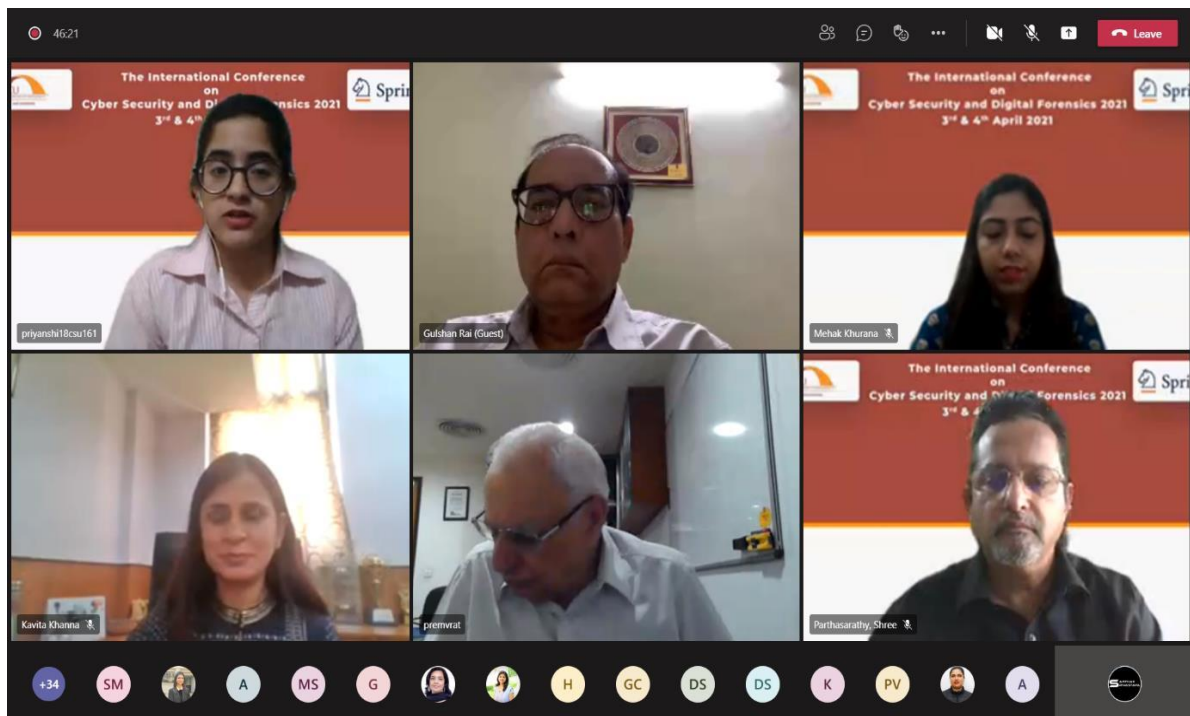
The event was hosted by Student coordinators Ms. Priyanshi and Ms. Anshika. The backend team of student coordinators include Animesh Das, Aditya, Sarthak, Mehul, Nakul, Manish, Tarun, Anubhav, Ajay, Anuj. The conference by Organised by Prof. Kavita Khanna, General Chair, Dr. Mehak Khurana, Convener, Dr. Pooja Sapra, Co-Convener.

Mehak

Dr. Mehak Khurana & Dr. Pooja Sapra

Convener & Co-Convener

ICCSDF2021



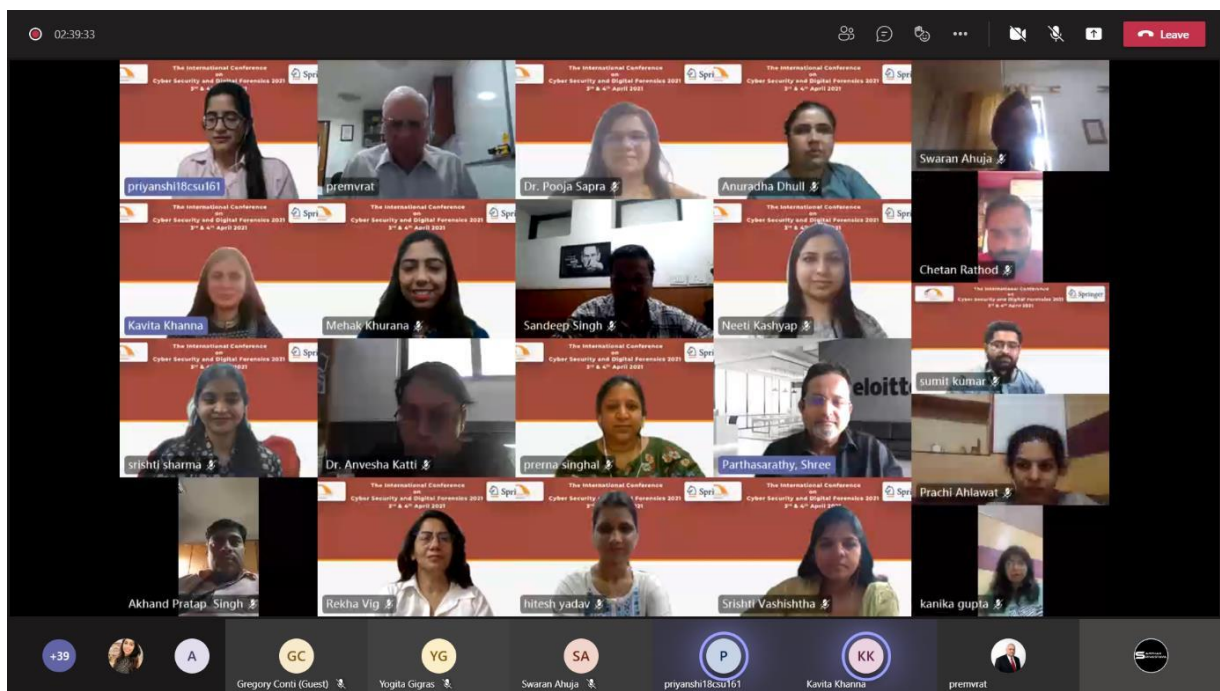


International Conference on Cyber Security and Digital Forensics ICCSDF-2021



Organised by: CSE Department, The NorthCap University, Gurugram







Orientation Program

Newsletter



Vol. 57 July 2016



THE NORTHCAP UNIVERSITY

(For internal circulation only)

NCU Activities

Students' Orientation 2016

The University conducted the Orientation Programme for the new batch of students admitted to all the three Schools on 23 July 2016. The event was graced by the presence of the Pro Chancellor, Prof. Prem Vrat; the Pro Vice-Chancellor, Brig. SK Sharma (Retd); the Registrar, Col Bikram Mohanty (Retd), Directors of Schools and Heads of Departments along with faculty members and staff of the University. The programme started with lamp lighting and Saraswati Vandana. After the welcome address by Dr Payal Khurana, Prof. Prem Vrat addressed the students and motivated them about importance of education and hard work. Brig SK Sharma talked about student activities in NCU, its infrastructure and facilities offered by the University. Col Bikram Mohanty briefed the students about discipline and anti-ragging measures. The briefing to the students continued with examinations, evaluation/grading system, placements, psychological counselling etc. by their respective Functional Heads.

Later, the Departments guided the students to various facilities in the University and Departments. The students familiarized themselves with a walkthrough of the University.

It was a day of excitement for the new students as they entered a world of higher learning. Expectedly, the students had mixed emotions of anxiety, but with lots of excitement and expectations. The University warmly welcomes the fresh batch of students and wishes them all the best during their stay at the University.

The event was coordinated by Dr Payal Khurana, CLL.

Faculty Orientation Programme



The University organized a Faculty Orientation Programme on 16 July 2016 with an aim to acquaint the faculty with the new processes at the University in its functioning in various domains. The new faculty members were given a warm welcome and were motivated to become effective teachers by Prof. Prem Vrat, Pro-Chancellor who guided them about teaching effectiveness and the rules and zero deviation policy followed in the University. Pro Vice-Chancellor, Brig. SK Sharma (Retd) acquainted the faculty with the result moderation, appraisal process and various other issues. Talking about Research and Publications, he said that faculty should ensure that they send papers in reputed journals and avoid paid journals. Dean (Academics), Prof. Swaran Ahuja gave guidelines about the procedure to be followed in the new process for labs and lab





ORIENTATION FDP FOR NEW FACULTY 2016-17

ORIENTATION FDP FOR NEW FACULTY: An orientation FDP was organized on Sat, 13 August 2016 for faculty who joined us in July 2016. The session was planned with an aim to address and motivate all new joiners at one common platform and to get them acquainted with key aspects of workings of the University. The session began with a Welcome Address by HR to all new faculty and followed with a motivational talk by Pro Chancellor – Prof Prem Vrat who shared his valuable insights on faculty development, teaching effectiveness and expectations from faculty. Moving forward, the faculty was addressed by Pro-Vice Chancellor, Brig (Retd.) S K Sharma regarding the next one year ahead highlighting key schemes and faculty specific activities which are vital from a new joiner perspective like Mentoring Scheme, Appraisal Process, Induction Folder etc. Later, a session on ERP and Moderation was given by Dy. Dean Academics, Mr. Manoj Gopaliya and Ms. Chetna Taluja where all doubts were clarified regarding the above academic activities. Later, HR gave a brief summary of Faculty Appraisal Process and other key activities. In the end, Deepak Satyarthi gave a session on Online quiz (OTMS) and LMS . The session was well received as vital aspects were addressed from faculty view point. The session was concluded by HR, welcoming new faculty to NCU family and wished them good luck for future endeavors.



ORIENTATION FDP FOR NEW FACULTY 2017-18

ORIENTATION FDP FOR NEW FACULTY:

An orientation FDP was organized on Wed, 9 August 2017 for new joiner faculty members. The session was planned with an aim to address and motivate all new joiners at one common platform and to get them acquainted with key aspects of workings of the University. It comprised of two sessions first session being Inspirational talk by Pro-Chancellor: Prof Prem Vrat and Pro-Vice Chancellor: Brig S K Sharma. The speakers shared their valuable insights on teaching profession citing personal examples, faculty development, teaching effectiveness and expectations from faculty. The faculty was apprised regarding the next one year ahead highlighting key schemes and faculty specific activities like Mentoring Scheme, Appraisal Process, Outreach Activities, Internships etc. It was followed by our Invited Talk from eminent Professor- Prof Ajoy Ghatak who spoke on “How to make teaching better” Owing to his vast experience , he shared valuable tips with new faculty and relevance of using examples, videos, animations etc which can help faculty to make their lecture interesting and engage student in a better manner. After tea break, the second session was on key University level activities like: HR policies, ERP , RDIL and Online tests. The FDP was well received as vital aspects were addressed from faculty view point. The session was concluded by HR, welcoming new faculty to NCU family and wishing them good luck for future endeavors.

along with a cash prize worth 2000 RMB, apart from 300 RMB for securing a place in the Top 10 in online voting.

More than 75 Asian teams from China, Taiwan, India and Thailand competed and this was the first time when India participated for the 'Delta Cup' with NCU's TVN being selected pan India for this prestigious competition.

'Making Education Relevant' discussed by eminent academics

A panel discussion was held by EDU TV on the topic 'Making Education Relevant' on 3 July 2017. The distinguished panellists included Prof. Prem Vrat, Pro-Chancellor, The NorthCap University, Gurugram; Prof. Kamlesh Mishra, VC Ansal University, Gurugram and Prof. Suniti Sen Gupta, Dean FMS, University of Delhi. The session was moderated by Mr Shashank Vira.

The panellists emphasized on the need to improve the quality of faculty and research and to make education more relevant. Role models for universities such as Nalanda University were recalled and it was felt that great universities have outstanding faculty, liberal funding, freedom and flexibility. The role of human values in education in addition to knowledge and skills was stressed.

Another panel discussion was organized on the topic 'Transition from School to Universities' by EDU TV at DPS, Sector-45, Gurugram on 17 July 2017. Eminent panellists included Prof. Prem Vrat, Pro-Chancellor, NCU; Prof. PB Sharma, VC Amity University, Gurugram; Prof. Kamlesh Mishra, VC Ansal University and Prof. Satyanarayan, VC, BML Munjal University, Gurugram. The session was moderated by Dr Vinnie Jauhri, Microsoft. Students of DPS interacted with the panellists and participated actively.

To make education more relevant the panellists were of the view that it should be multi-disciplinary, less structured, more flexible and participating in which the role of the faculty should be to inspire, involve and transform students to become better persons and more employable.

NCU emphasizes importance of aligning engineering education with business needs



Brig. SK Sharma
Pro Vice-Chancellor,
NCU, Gurugram

In an exclusive interview of eminent 'Visionary Leaders' conducted by CSR-GHRDC published under the title 'In conversation with the Beacons of Engineering Education' in their Special issue in July 2017, Pro Vice-Chancellor, Brig. SK Sharma (Retd.) offered his insights and perspectives on how Engineering education can be made more effective and relevant to the 21st century. He shared his views on how it can be made more innovative, flexible and responsive and aligning engineering education with

business needs of today's global market.

He stressed on the importance of acquiring soft skills in engineering education as an engineer today does not work in a vacuum but in a multidisciplinary team. He highlighted the initiatives taken by NCU by running courses to develop Communication Skills, Personality Development, Human Values and Ethics. He emphasized on the importance of extra-curricular activities and student led clubs that hone talents, encourage leadership and build teamwork skills of students.

Fresh Batch Orientation Programme - 2017

The University conducted the Orientation Programme for the new batch of students admitted to all the three Schools on 22 July 2017. The event was graced by the presence of the Pro-Chancellor, Prof. Prem Vrat; the Pro Vice-Chancellor, Brig. SK Sharma (Retd); Registrar, Col Bikram Mohanty (Retd), Directors of Schools, Heads of Departments along with faculty members and staff of the University. The programme started with lamp lighting and Saraswati Vandana. After the welcome address by Dr Payal Khurana, Prof. Prem Vrat addressed the students



and motivated them about the importance of education and hard work. Brig Sharma talked about student activities at NCU, the infrastructure and facilities offered by the University. Col Mohanty briefed the students about discipline and anti-ragging measures. The briefing to the students continued with examinations, evaluation/grading system, placements, psychological counselling etc. by respective Functional Heads.

Later, the Departments guided the students to the various facilities in the University and Departments. The students familiarized themselves with the University by a walkthrough.

It was a day of excitement for the new students as they entered the world of higher learning. Expectedly, the students had mixed emotions of anxiety, with lots of excitement and expectations. The University warmly welcomes the fresh batch of students and wishes them all the best during their stay at the University.

The event was coordinated by Dr Kalika Srivastava, Dept of APS, Dr Divyabha Vashisth, CLL and Ms Kiran Mrig.

The NorthCap University continues its Zero Tolerance Policy towards Ragging



The University held its Anti-Ragging Committee meeting on 20 Jul 2017 under the Chairmanship of the Vice-Chancellor, Brig S K Sharma (Retd). The Committee had a wide representation with members from the University's Administration, Faculty, Hostel Wardens, Local Police Station, Parents, members from the Press and local NGOs. The VC

Orientation FDP for new faculty members

The NorthCap University organized a Faculty Orientation Programme to interact with all new joiners on one common platform on 9 August 2017. The programme acquainted the new faculty members with key aspects of processes and their functioning in various domains. Members were given a warm welcome and were motivated to become effective teachers by Prof. Prem Vrat, Pro-Chancellor and Brig. SK Sharma (Retd), Pro Vice-Chancellor. They shared their valuable insights on the teaching profession citing personal examples, faculty development, teaching effectiveness and expectations from the new faculty. They stressed that whoever adopts the profession of a teacher assumes the obligation to conduct himself/herself in accordance with the ideals of the profession.

Members were apprised of the key schemes and faculty specific activities like Mentoring Scheme, Appraisal Process, Outreach Activities, Internships etc. It was followed by an Invited Talk by eminent academic, Prof Ajoy Ghatak who spoke on the topic 'How to make teaching better'. From his vast experience he shared valuable tips with the new faculty and the relevance of using examples, videos, animations etc to make their lecture interesting and engage students in a better manner.

Key University level activities like: HR policies, ERP, RDIL and Online tests were shared. The FDP was well received as vital aspects were addressed from the faculty's point of view. The session concluded with Dy Manager (HR) welcoming the new faculty to the NCU family and wishing them good luck in their future endeavours.



Science Academies' Summer Fellowship Programme at NCU

The three science academies in India viz., the Indian Academy of Sciences, Bengaluru; Indian National Science Academy, New Delhi and The National Academy of Sciences jointly award several prestigious Summer Research Fellowships (SRF) to science and engineering students and teachers to work on short-term projects with the 'Academy Fellows' during two months every year, since 2007. Student Biswadeep Chakraborty, Jadavpur University came to NCU under the special SRF scheme and worked at The NorthCap University (NCU), Gurugram under Dr Amitava Sen Gupta, Hon. Distinguished Research Professor, NCU from 15 May to 8 July 2017.

Biswadeep Chakraborty's work comprised of a technique of locating the shooter using wireless sensor networks. This is a theoretical simulation study to be followed up with some experimentation once the WSN experiments get going. Faculty member Ms Kusum Grewal, Dept of

EECE, NCU mentored Biswadeep for technical knowledge sharing regarding wireless sensor networks and its implementation using MATLAB simulator.

Faculty is advised to encourage our students to apply for similar Summer Fellowship programmes, the details of which can be accessed at www.ias.ac.in

NCU student proceeding for higher studies to ITB, Dublin, Ireland



Antariksh Anand
(13CSU143),
BTech CSE
(Class of 2017).

Student Antariksh Anand (13CSU143), BTech CSE (Class of 2017) is proceeding to the Institute of Technology, Blanchardstown (ITB), Dublin, Ireland, for MSc in Computing in Applied Cyber Security under the Partnership Agreement between The NorthCap University and ITB, Ireland. Under this arrangement he is getting 40% fee concession at ITB. We wish Antariksh a fruitful and productive stay abroad and success in his future endeavors.

Under the NCU-ITB collaboration, eleven NCU students have earlier studied at ITB, Dublin, under various exchange options. Students from the Departments of CSE, ME and EECE can avail these options for which notifications are made every January by the Dean's Office, NCU. Mr Manoj Kumar Gopaliya, Dept of Mechanical Engineering is the NCU-ITB Collaboration Coordinator.

Training session on Central Research Facility (CRF)

A training programme was organized for faculty and research scholars in the use of various advanced and analytical instruments for research in the University's Central Research Facility (CRF) on 5 August 2017. The session started with an overview of the research facilities available at NCU by Dr Ambika Devi, Head, CRF. The trainees visited CRF where the working of various research instruments like SEM, UV-Vis spectrophotometer, vacuum coating unit, spin coating etc and its applications were demonstrated and explained by Dr Ambika Devi and Dr Sunita Sharma. It was followed by a brain storming session on the usage of the existing facility for interdisciplinary research.





ORIENTATION FDP FOR NEW FACULTY 2018-19

INDUCTION PROGRAM FOR NEW JOINEE FACULTY: Induction Program was organized on **Sat, 18 August 2018** (9 am to 3:30 PM) for new joinee faculty members (total=18). The session was planned with an aim to address and motivate all new joinees at one common platform and to get them acquainted with key aspects of workings of the University. The whole program was divided into two sessions. First session began with welcome address by our **Registrar: Col. Bikram Mohanty (Retd.)** To break the ice, we took introductions from everyone including their area of expertise and their passions and hobbies. This was followed by address on ERP workings, Dy Dean Academics Office (Grades, Moderation etc) and OTMS/ online tests by **Ms Chetna, Dr Manoj Gopaliya and Ms Deepak Satyarthi** respectively. This was helpful as various queries of new faculty were addressed and resolved.

The first session concluded with an inspirational talk by **Pro-Chancellor : Prof Prem Vrat** and **Vice Chancellor: Prof H B Raghavendra**. The speakers shared their valuable insights on teaching profession citing personal examples, emphasis on providing inspirational and interactive teaching to students, faculty development, teaching effectiveness and expectations from faculty. The faculty was apprised regarding the next one year ahead highlighting key schemes and faculty specific activities like Mentoring Scheme, Student Counselor scheme, Appraisal Process, Outreach Activities, Internships etc.

The second session comprised of interactive workshop by our guest speaker: **Prof J K Mitra**- Professor of Strategy and Organizational Behaviour, Former Dean at Faculty of Management Studies (FMS), University of Delhi. Prof. Mitra is one of the most sought after consultants in the area of Strategy, Trainer in the area of Team Development, and Scholar in the area of Leadership and Post-

acquisition management of Organization. He has been an active researcher and scholar in redefining paradigm in various global organizations and loves rejuvenating old institutions. The workshop conducted by Prof Mitra was interactive in nature with team building games, group work, relationship building (teacher-student) and focus on innovative pedagogy and new approaches to teaching-learning experience.

The entire program was concluded by HR, welcoming new faculty to NCU family and wishing them good luck for future endeavors.



FDP FOR NEW FACULTY:

DATE: Sat , 31 Aug 2018 9:30 am

VENUE: Seminar room

DETAILS	TIME
WARM UP SESSION	9:30 AM
Welcome By HR	9:55 AM
Session By Vice Chancellor	10:00 AM – 11 AM

Tea Break @ 11 AM = Reception Area

INTERACTIVE SESSION WITH GUEST SPEAKER: PROF G G DWIVEDI	11:15 AM – 1:30 PM
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TOPIC:

ERA OF DISRUPTION- MINDFUL LEARNING: REFRAMING ACADEMIC LEADERSHIP

EXCELLING THROUGH CREATIVE LEADERSHIP

NO OF PARTICIPANTS = 28

S.No.	Deptt.	Name
1	APS	Dr. Sanjay Yadav
2	APS	Dr. Renu Tuli
3	APS	Dr. Alka
4	APS	Dr. Arjun Singh
5	APS	Dr. Neha Gupta
6	CSE & IT	Ms. Monika Yadav
7	CSE & IT	Ms. Manvi Breja
8	CSE & IT	Ms. Ankita Singh
9	CSE & IT	Mr. Sumit Kumar
10	CSE & IT	Ms. Monika Gahalawat
11	CSE & IT	Ms. Sujata
12	CSE & IT	Ms. Poonam Chaudhary
13	CSE & IT	Ms. Srishti
14	CSE & IT	Ms. Akanksha Kapoor
15	CSE & IT	Ms. Bhavana Sharma
16	CSE & IT	Dr. Priyanka Vashisht
17	SOL	Mr. Himangshu Rathee
18	SOL	Ms. Mahima Mahajan
19	SOL	Ms. Shiksha Dahiya
20	SOL	Dr. Tapobrata Pakrashi
21	SOM	Dr. Akshat Aditya Rao
22	SOM	Dr. Poonam Arora
23	SOM	Ms. Mahima Anand
24	SOM	Dr. Swaranjeet Arora
25	SOM	Dr Hemant
26	CIVIL	Dr Ram K Singh

BRIEF PROFILE: Major General PROF G G Dwivedi

Major General PROF G G Dwivedi is an [Indian Army](#) career officer (retired), academic, [journalist](#), [author](#), corporate trainer and social worker. He retired in 2009 from the Indian Army (Infantry)

In his academic career Major General Dwivedi has achieved distinction recognition both at national and global levels. He holds

- M.Sc in Defence Studies [Madras University](#) (1985)
- M Phil in Defence and Strategic Studies from [Madras University](#) (2001, 2012)
- Ph.D. in international relations from [Jawaharlal Nehru University](#) (JNU) New Delhi (Degree Conferred 2011)^[5]

He is a Visiting Faculty to Foreign Services Institute Delhi, Management Development Institute Gurgaon, Lal Bahadur Shastri Institute of Management (LBSIM) Delhi, Punjab University Chandigarh UGC HRD Centers of leading Central Universities. He was instrumental in the introduction of new course- 'Art & Practice-Leadership' and 'CSR' IN LBSIM, besides starting M Phil in Strategic Studies at Punjab University.

Dwivedi has written on military history, [geostrategy](#), international relations and leadership in professional journals and national dailies. Additionally, he has contributed over fifty shorts pieces in the leading natural dailies, based on his personal experience

He has delivered lectures at [Boston University](#) and presented a paper at *International Journal of Arts & Sciences* (IJAS) held at [Harvard Medical School](#) in May 2015

Member of renowned think tanks, regularly guest speaks at premier Centers of Excellence both in India and abroad, and frequently appears on national TV as a panellist[†]



minutes. The app aims to reduce crime against women and ensure their safety. The event was coordinated by Mr Sanjeev Kumar, Security Officer, NCU.

Independence Day Celebrations

The NorthCap University celebrated the nation's 72nd Independence Day on 15 Aug 2018, with a lot of enthusiasm and gaiety. The high spirits and patriotic fervour of the faculty, staff, students and children, who attended the function, was visibly evident.

The Vice-Chancellor, Prof. HB Raghavendra unfurled the National Flag and took the salute as the smartly turned out contingent of security staff led by the Security Officer, Mr Sanjeev Kumar, marched past the dais. Speaking on the occasion Prof. Raghavendra greeted the students, members of the faculty and staff including their families. While conveying his good wishes he reminded everyone of the supreme sacrifice made by several leaders, political and non-political, in securing independence for our country. Prof. Raghavendra said, "On this auspicious day I also take this opportunity to make our students, faculty and staff of NCU aware of our next vision as a University. As you already know that we are ranked amongst the 200 universities in the recent survey of NIRF (National Institutional Ranking Framework) of MHRD, Govt. of India. While I appreciate the hard work of all my faculty, staff and students behind this, next year we must strive to be within 100. We have to educate our students with the latest technologies by integrating our curriculum with industry practices. I also expect all our teachers to become facilitators in the overall development of each student".



A cultural programme by the students highlighted sacrifice and patriotism for the country. The celebrations were followed by high tea for all.

Swachh Bharat Summer Internship Evaluation

15 students from NCU successfully completed 100 hours of Swachh Bharat Summer Internship, launched by MHRD, on 31 July 2018. The aim of the Swachh Bharat Summer Internship was to engage the youth across the country and develop their skill and orientation for sanitation related work and village level development. Students made a presentation of their project for evaluation in front of a select panel comprising of Dr HB Raghvendra, Vice-Chancellor, Prof. Swaran Ahuja, Dean Academics, Col Bikram Mohanty (Retd.), Registrar and Wg Cdr Manohar Vasudev (Retd), Controller of Examinations on 20 Aug 2018.

Expert Lecture

An expert lecture on 'How to convert an Idea into Patent' was delivered by Prof. BK Sarkar, Project Director, TCS-G Software Pvt Ltd, Pune, for all members of the faculty on 14 Aug 2018. The expert himself has 59 patents till date and has sold five patents for 1.40 Cr He enlightened the faculty members about the process of writing and filing of patents and further processes required to publish, sell and develop a patent. It was an interactive session where faculty and research scholars from all the Schools actively participated and clarified their doubts. The lecture was organized by the Dept of EECE and coordinated by Dr Sharda Vashisth and Ms Kusum Grewal Dangi. (ECE2018G012)



Induction Programme for new members of the faculty

The University organized a Faculty Orientation Programme to interact with all new joinees on one common platform on 18 Aug 2018. The programme acquainted the 18 new faculty members with key aspects of various processes and their functioning in different domains. Members were given a warm welcome by the Registrar, Col Bikram Mohanty (Retd) and, to break the ice, the new members introduced themselves, shared their areas of expertise, interests and hobbies.

Key University level activities like HR policies, ERP, RDIL, Examinations, Grades, Moderation, online tests etc. were shared by the respective Heads and doubts clarified. Members were motivated to become effective teachers by



Prof. Prem Vrat, Pro-Chancellor, and Prof. HB Raghavendra, Vice-Chancellor. The speakers shared their valuable insights on the teaching profession citing personal examples. Emphasis was on providing inspirational and interactive teaching, faculty development and expectations from the faculty.

Members were apprised of key schemes and faculty specific activities like the Mentoring Scheme, Student Counsellor Scheme, Appraisal Process, Outreach Activities, Internships etc. It was followed by a workshop by eminent academic, Prof. JK Mitra, Professor, Strategy and Organizational Behaviour, Former Dean, Faculty of Management Studies (FMS), University of Delhi.

The interactive workshop conducted by Prof. Mitra comprised of team building games, group work, building teacher-student relationship with special focus on innovative pedagogy and new approaches to the teaching-learning experience. The session concluded with Dy Manager (HR) welcoming the new faculty members to the NCU family and wishing them good luck in their future endeavours.

Oral Health Camp

To promote Oral Health, a free awareness and wellness camp was held at the University in partnership with Clove Dental, India's largest and most respected chain of super-specialty dental clinics, on 23 Aug 2018. Using teeth models, Clove Dental demonstrated the basics of maintaining oral hygiene. They shared details of special membership plans for RVG X-Ray, scaling and polishing. Students, members of the faculty and staff benefitted from the camp which was coordinated by Dr Shilpy Wadhwa, Medical Consultant, NCU.



UC Campus Ambassador Programme



UC Campus Ambassador Programme was conducted at the University on 9 and 10 Aug 2018. Officials from UC Browser (Alibaba Group) visited the campus and offered students the opportunity of becoming Campus ambassadors of their organization wherein students would be provided internship and placement opportunities. They also set up a two day photo-booth at the University where students and faculty members were seen clicking photos with great enthusiasm and the winners were awarded prizes. The Media and Publicity team of Momentum 2018 showed great dedication in

making this event a huge success. Coordinators of the event were Dr Jyotsna Singh and Mr Shubham Bansal.

News from the School of Engineering and Technology

Department of EECE

Departmental Activity

- ❑ The Department organized a 'Project Demonstration' session for ECE 1st Year students on 27 July 2018. Mentors along with student coordinators demonstrated projects undertaken by them during their four years at NCU. Students showcased their minor and major projects to give the freshers an idea of the projects that they can develop and how to use the Tinkering Lab for their work. The event was coordinated by Ms Amanpreet Kaur and Mr Pankaj Rakheja. (ECE2018O012)



Project Demonstration

- ❑ A tree plantation programme was organized by the Department for 1st Year students where coordinators from 3rd Year enthusiastically helped them plant saplings to keep the environment clean and produce more oxygen, on 2 Aug 2018. The Programme was inaugurated by Pro-Chancellor, Prof. Prem Vrat; Vice-Chancellor, Prof. HB Raghavendra, Registrar, Col Bikram Mohanty; Dean Academics, Prof. Swaran Ahuja and Head, Dept of EECE, Dr Sharda Vashisth. The event was coordinated by mentors Ms Amanpreet Kaur and Mr Pankaj Rakheja. (ECE2018O013)



Tree Plantation

Guest Lecture

The Dept of EECE organized a special session on 'Ace your Interview' for students of BTech, ECE, Final-year by Ms Shikha Malhotra, Certified Image Consultant on 8 August 2018. It was a rigorous 2.5 hour sessions on innovative and unique techniques of facing interviews including proper communication, showcasing strengths and identifying weaknesses. Live sessions on body language and mock interviews were conducted by Ms Shikha. Students found the session beneficial, especially with the placement season starting soon. The guest lecture was coordinated by Dr Rekha Vig, Associate Professor. (ECE2018G013)

Newsletter



Vol. 93 July 2019

THE NORTHCAP UNIVERSITY

(For internal circulation only)

NCU Activities

Orientation: Welcoming the batch of 2019



On 20 July 2019, The NorthCap University organized an orientation programme for all schools as mentioned, School of Engineering and Technology, School of Management and School of Law for the fresh admitted students, batch 2019. The guests of honour Mr KK Jadhav, Director: UPSC and Mr Vivek Dahiya, Director: Boudhik Ventures inspired the audience of students and their parents with the success stories and how their journey started. Hon'ble Pro-Chancellor, Prof. Prem Vrat and Vice Chancellor, Prof. HB Raghavendra shared with students, life at NCU and how it will help in shaping their future. While the enthusiasm in students was at large, hon'ble Registrar Col. Bikram Mohanty introduced the HoDs and coordinators to students and made them aware that life at NCU is much more than you are expecting. With



the same motivation Mr BK Gupta, Director SPA, acting as a hammer to the gold, poured everyone with the jitters of excitement at the initial phase of their career development.

Workshop on NAAC

On 3 & 4 June 2019, a workshop was conducted on NAAC, SSR (Self Study Report), headed by hon'ble Vice Chancellor, Prof. HB Raghavendra and coordinated by Dr Pramod Bhatia for the faculty members and heads which meant to familiarize everyone with SSR of NAAC and to identify the areas of improvement. It helped in developing the understanding of NAAC-SSR and filling the process of SSR report.



ORIENTATION AND INDUCTION PROGRAMME FOR ENTRANTS OF AY 2021-22

THE NORTHCAP UNIVERSITY

GURUGRAM

REPORT ON ORIENTATION AND INDUCTION PROGRAM

SEPTEMBER 1-30, 2021



Coordinated and Prepared by

PROF. REKHA VIG

DY. DEAN ACADEMICS

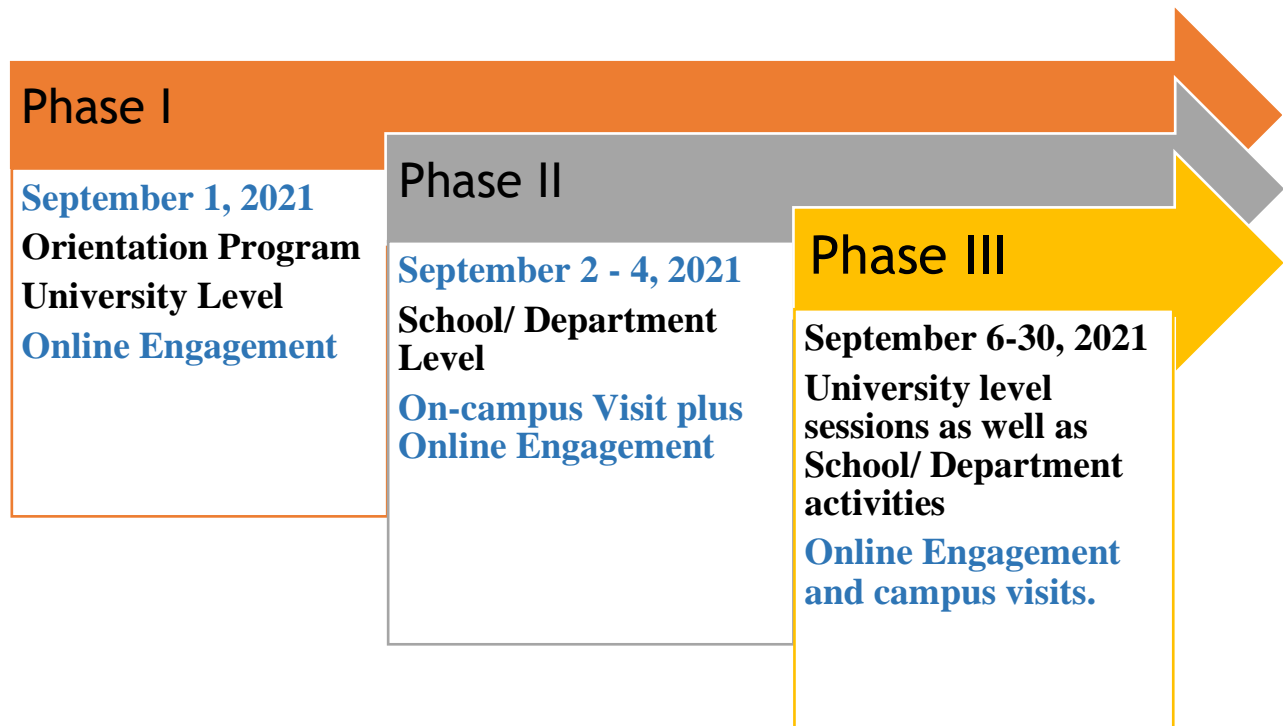
ORIENTATION AND INDUCTION PROGRAMME

INTRODUCTION

The Orientation and Induction programs for the newly admitted students were held from September 1, 2021 to September 30, 2021. Due to the spread-out duration of the admission process for the academic year 21-22, the induction program was planned for a longer period this year with an aim to allow new entrants to adapt to the university environment with ease. The students transitioning from schools to the university environment needed a detailed introduction to the various processes and infrastructure of the university, multiple sessions with mentors to know them better which would build their confidence level about The NorthCap University

This month-long program which consisted of a mix of on-campus, online university level and department level activities was divided into three phases as follows:


PROGRAMME STRUCTURE




PHASE – I

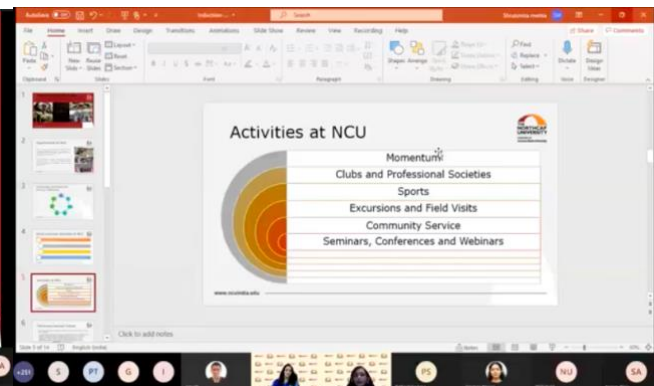
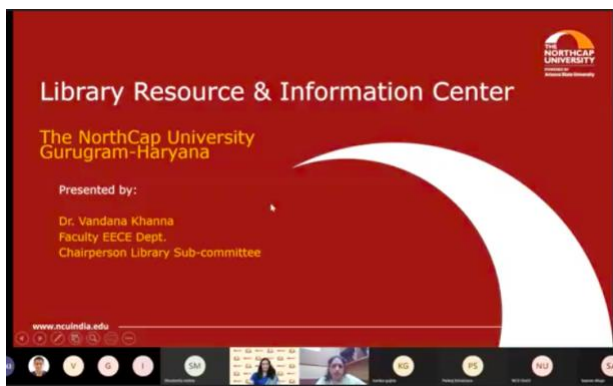
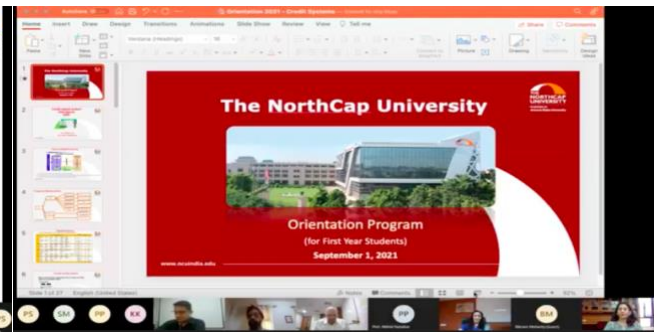
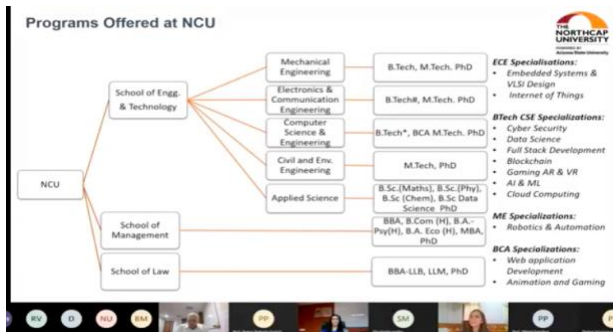
Orientation Program

The orientation program was conducted online in a webinar mode on Microsoft Teams on September 1, 2021 in two parts - Morning session from 10:30 am-12:00 pm and Afternoon session 2:00 pm - 3:30 pm . The schedule of both are mentioned below.

SCHEDULE: ORIENTATION PROGRAM - I	
 THE NORTHCAP UNIVERSITY ACADEMIC YEAR 2021-22 September 1, 2021	
Time	Activities
10:30 AM-10:32 AM	Welcome address Dr. Payal Khurana
10:32 AM-10:35 AM	Lamp Lighting and Saraswati Vandana
10:35 AM-10:45 AM	Address by Hon'ble Pro-Chancellor – Prof. (Dr.) Prem Vrat Prof. of Eminence and Chief Mentor
10:45 AM-10:55 AM	Address by Vice-Chancellor Prof. (Dr.) Nupur Prakash
10:55 AM-11:15 AM	Presentation on University Overview Prof. (Dr.) Kavita Khanna HOD- CSE
11:15 AM-11:20 AM	Address by Pro-Chancellor (Operations) Prof. (Dr.) Milind Padalkar
11:20 AM-11:25 AM	Talk by Registrar Col. Bikram Mohanty
11:25 AM-11:40 AM	Course Credit System & ERP Dy. Dean Academics Prof. (Dr.) Rekha Vig
11:40 AM-11:58 AM	Talk by Sr. Manager Placement & Outreach Mr. Anirudh Kaushik
11:58 AM-12:00 PM	Closing Note

SCHEDULE: ORIENTATION PROGRAM - II	
 THE NORTHCAP UNIVERSITY ACADEMIC YEAR 2021-22 September 1, 2021	
Time	Activities
2:00 PM-2:05 PM	Address by Dean Academics Prof. Swaran Ahuja
2:05 PM- 2:15 PM	E-portfolio Ms. Kanika Gupta Assistant Professor - CSE
2:15 PM- 2:25 PM	Library and Online Access Dr. Vandana Khanna (Assistant Professor – ECE)
2:25 PM- 2:35 PM	Learning Management System (LMS) Mr. Pankaj Shrivastava (Chief Technology Officer)
2:35 PM- 2:25 PM	Clubs at University Dr. Shrutimita Mehta (Deputy Dean-Student Affairs)
2:45 PM- 2:55 PM	Professional Societies Dr. Sharda Vashistha (HOD-ECE)
2:55 PM- 3:00 PM	Tinkering Lab Dr. Vandana Khanna (Assistant professor- ECE)
3:00 PM- 3:05 PM	Thought Lab Dr. Divyabha Vashisth (Thought Lab coordinator / Head CLL)
3:05 PM- 3:10 PM	Incubation Center Dr. Nitin Malik (Associate Professor-CSE)
3:10 PM- 3:25 PM	Fun and Frolics SAL Team
3:25 PM- 3:30 PM	Vote of Thanks


The new students and parents present online were addressed by Pro-Chancellor Prof. Prem Vrat, Vice-Chancellor Prof. Nupur Prakash, Pro-Chancellor (Ops) Prof. Milind Padalkar and other senior office bearers and the various academic, evaluation, placements and other systems followed in the university were explained to them. In the afternoon session, students were introduced to the library, LMS, clubs and societies, thought lab and incubation centre. The session ended with a fun and frolic event. The total number of students and parents who attended the program were around 400 in both morning and afternoon sessions. Below are a few glimpses of the same:



PHASE – II

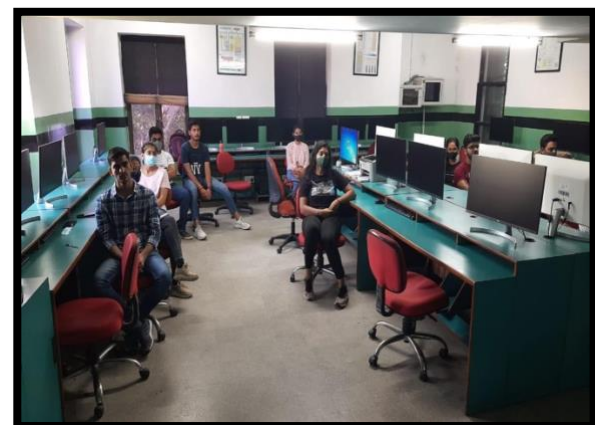
From September 2 to 4, 2021 students were invited to the university campus to make them aware of the physical infrastructure, mentors and other activities. They were engaged in sports and club/societies as well. The students were called in groups of 120-140 with department-wise division. Each group visited the campus on one day. Five-hours of on-campus engagement (10 am to 3 pm) was planned for each day with some variations with respect to departments/school in their activities. The rest of the 2 days the students were engaged online with some online activities/online course/motivation Ted-talks/movies etc. Each department/School prepared a separate schedule to engage the students.

Sample Schedule

 <p>THE NORTHCAP UNIVERSITY POWERED BY Arizona State University</p>	Induction Programme
	Entrants of AY 2021-22
	Sep 2-4, 2021
	The NorthCap University

DAY 1: SEP 2, 2021 (Thu)		
ON CAMPUS - The NorthCap University		
TIME	ACTIVITY	VENUE
09:00am - 10:00am	Reporting & Registration	New Building GF Lobby
10:00am - 10:20am	HOD's Address	Seminar Hall
10:20am - 10:40am	Introduction - Faculty & Roles	Seminar Hall
10:40am - 11:10am	ERP & CANVAS Registration	Room# 022
11:20am - 12:00pm	Campus Visit	-
12:00pm - 12:30pm	Lunch Break	Seminar Hall
12:30pm - 01:20pm	Student Engagement Activity	Seminar Hall
01:30pm - 03:00pm	Workshop - Email Etiquette	Seminar Hall
DAYS 2 & 3: SEP 3 & 4, 2021 (Fri & Sat)		
ONLINE - Microsoft Teams		
TIME	Sep 3, 2021 - ACTIVITY	Sep 4, 2021 - ACTIVITY
10:00am - 10:50am	Presentation on Course Credit Regulation	Alumni Connect
11:00am - 12:00pm	I'm Smarticus (Online Quiz)	International Speaker
12:00pm - 02:00pm	Lunch Break	Lunch Break
02:00pm - 02:50pm	Workshop - Writing Persuasive Texts for the Digital Media	Workshop - Lucidchart
03:00pm - 03:50pm	Workshop - Dress Etiquette	Closing Session and Students' Speak (Student Feedback on Induction)

Here are a few glimpses of students visiting the campus:




Phase III

This phase was conducted from September 6th till 30th . In order to engage the students various activities were planned. The activities were conducted online only till September 18th . From September 20th they were conducted in hybrid mode.

The list and duration for various activities from September 6-21 (with 4 hrs online induction each day) are as follows:

1. MasterClass sessions : 30 hours
2. Mentoring: 3 hours (Essential first lecture)
3. Lectures by eminent people: 2 hours (Department level)
4. ASU collaboration: 3 hour
5. Diagnostic tests : 1 hour
6. Computer skill module : 8 hours
7. Communication Skills module : 8 hours
8. E-portfolio : 1 hours
9. Dept activities: 8 hours (including dept level lectures by eminent persons- 2 hrs)
10. ERP and Canvas Module: 1 hour
11. Clubs : 5 hrs
12. Societies: 3 hours
13. Momentum details and videos: 2 hours
14. Session on Canvas : 1 hour
15. Online games: 2 hour
16. Art of living: 2 hours
17. Introduction and online event on community services: 2 hour
18. Interaction with Dean's list students : 1 hour
19. Interaction with Alumni : 1 hour
20. Closing session by HoD and feedback : 1 hour

A sample schedule of the time-table followed during a week is as follows:

 Schedule: Orientation cum Induction Programme - Phase III Entrants of AY 2021-22 <i>Sep 6-18, 2021</i> The NorthCap University					
TIME	Monday	Tuesday	Wednesday	Thursday	Friday
10:00am - 11:00am	Master Class: Eminent Speaker Click to Join	Master Class: Eminent Speaker Click to Join	Master Class: Eminent Speaker Click to Join	Master Class: Eminent Speaker Click to Join	Club & Society Activity Click to Join
11:00am - 12:00pm	Mentoring* Click to Join	Communication Skills Click to Join	Knowing Ourselves: Personality Quiz Click to Join	Online Games Click to Join	
12:00pm - 01:00pm	Computer Skills Click to Join	Workshop on Transactional Analysis Click to Join	Communication Skills Click to Join	Communication Skills Click to Join	
01:00pm - 02:00pm	LUNCH BREAK				
02:00pm - 03:00pm	Master Class: Eminent Speaker Click to Join	Master Class: Eminent Speaker Click to Join	Master Class: Eminent Speaker Click to Join	Master Class: Eminent Speaker Click to Join	Club & Society Activity Click to Join
03:00pm - 04:00pm	Communication Skills Click to Join	Computer Skills Click to Join	Computer Skills Click to Join	Computer Skills Click to Join	

This was shared with all students on daily basis in order to facilitate the new joinees each day. The mentors would ensure that the new students are informed about the activities to be conducted every day.

1. *Masterclass*

A series of MasterClass, which consisted of eminent lectures from different areas were conducted. These lectures broadened the horizon of the new students and left a motivational and inspirational mark in all the students. The following eminent speakers were invited for this series.

25 YEARS OF EXCELLENCE



A Virtual Masterclass on
IMPORTANCE OF BEING A PROFESSIONAL WITH MULTI DISCIPLINARY SKILLS

6th Sept 2021 | 10:00 - 11:00 AM IST



Jeevan Talegankar
Head - Technologies & New Business
Ericsson
www.ncuindia.edu

Jeevan Talegankar is a change agent in the Telecom Industry with 30 years of cross-national cross-cultural experience having a strong record of serial and discontinuous achievements. He specialises in IoT & Private Networks, sales to enterprises and engagements with Smart Cities. He has a degree in Electronics Engineering and an MBA in Marketing. He has also completed the Leadership Excellence Programme from IIM Ahmedabad. He is an opinion leader, an author, and a blogger who has many followers.

25 YEARS OF EXCELLENCE



A Virtual Masterclass on
HOW TO SET GOALS AND SUCCEED IN TOMORROW'S WORLD

7th Sept 2021 | 10:00-11:00 AM



Devinder Dalal
Head, Human Resources
Acom Infobusiness
www.ncuindia.edu

With more than 18 years of varied experience in Human Resources and software product and service companies, Devinder has extensive exposure in design, development and execution of HR strategies, including managing growth and capability building. He has handled end-to-end HR activities with special focus on talent acquisition, performance management, and competency mapping. He successfully developed the technical career ladder and technical assessment modules for a software product organisation, and led the merger and acquisition process to integrate the culture and process of two different organizations.

25 YEARS OF EXCELLENCE



A Virtual Masterclass on
SKILLS FOR THE 21ST CENTURY

7th Sept 2021 | 2:00 - 3:00 PM



Dr. Rakesh Godhwani
Founder, School of Emerging Capacities
Adjunct Faculty, IIM Bangalore
www.ncuindia.edu

An Adjunct Faculty of Communication at IIM Bangalore and IIM Indore, Dr. Rakesh Godhwani coaches promising start-ups and senior managers in the industry. He is a Ph.D. from Cardiff Metropolitan University and an MBA from IIM Bangalore. His research and teaching interests focus on how a charismatic leader fosters a persuasive message to impact audiences. Besides authoring several thought-provoking books, Dr. Godhwani recently launched the online course on BEX and India's cultural 'Effective Business Communication', designed for working learners. He also has his own podcast called "Rungs".

25 YEARS OF EXCELLENCE



A Virtual Masterclass on
ARE YOU READY FOR TOMORROW? SKILLS IN A DIGITAL WORLD

8th Sept 2021 | 2:00 - 3:00 PM



Pradeep Shrivastava
Chief Commercial Officer
Axiata Digital, Nepal
www.ncuindia.edu

Pradeep has more than two decades of senior leadership experience in leading, driving and managing rapidly growing businesses, and establishing brands in multi-cultural and multi-cultural contexts. He has managed large regional operations in his leadership in India, Indonesia, Bangladesh, and Nepal. He has held several important positions including CEO, and CMO in Asia, Africa, Nepal, President Marketing at the operations of the Board of Directors in Asia, and CEO in Asia. His leadership style is marked by strong team spirit, an innovative approach, a long-term vision, and building high performance teams. He holds an MBA from the Ahmedabad and a BA from St. Stephen's College, University of Delhi.

25 YEARS OF EXCELLENCE



A Virtual Masterclass on
EXCEL THE DIGITAL ERA ADVICE TO MY YOUNGER SELF

8th Sept 2021 | 10:00 - 11:00 AM IST



Shree Parthasarathy
Partner
Grant Thornton
www.ncuindia.edu

Prior to becoming a Partner at Grant Thornton, Shree Parthasarathy served as Managing Partner, Consultancy Technology and Transformation Division for 10 years. He is an expert and provides strategies and solutions in the areas of operational excellence, business process optimization & re-engineering, infrastructure design, and integration of emerging technologies. He has extensive experience in enterprise cloud, enterprise cloud and non-cloud infrastructure, social media platforms, CRM, and other services. Apart from being an author and renowned track speaker, he is fluent in English, Hindi, Tamil, Kannada, Punjabi, and Spanish.

25 YEARS OF EXCELLENCE



A Virtual Masterclass on
TECH, THE STATE, AND I

9th Sept 2021 | 2:00 - 3:00 PM



Dr. Samir Saran
President
Coursera (South Asia) (P)
www.ncuindia.edu

Samir is a member of the Regional Action Group of the World Economic Forum (WEF) a part of WEF's Global Future Council on Geopolitics. He served as a Commissioner of the Global Commission on the Stability of Cyberspace. He is a member of the Board of Directors of OIP America and serves on the board of Microsoft's Digital Peace Now Initiative. He has authored books, edited reports, and given talks and publications and written several academic papers and book chapters.

25 YEARS OF EXCELLENCE



A Virtual Masterclass on
BOUNCING BACK FROM REJECTIONS


9th Sept 2021 | 9:00 - 10:00 AM IST



Ambi M G Parameswaran
Brand Strategist and
Founder Brand Building.com
www.ncuindia.edu


Ambi M G Parameswaran's impressive career spans over 20 years, where he founded design brands and agencies in marketing, sales, and advertising with prominent agencies in the advertising industry in business planning and conducts branding workshops for major MNCs and other industry leaders. He worked as a consultant in the United States and India and worked as a senior advisor at North-Western University and Central University in Italy and Academic Director of Marketing at IIM Ahmedabad and a guest faculty at IIM Calicut, IIM Ahmedabad, IIMK, and Indian School of Business (ISB) in Hyderabad. He has completed the Advanced Management Program from Harvard Business School.

25 YEARS OF EXCELLENCE



A Virtual Masterclass on
THE NCU - ASU ADVANTAGE


13th Sept 2021 | 2:00 - 3:00 PM IST



Dr. R. F. "Rick" Shangraw Jr.
President
Cortina Education
www.ncuindia.edu


Dr. Shangraw had a thriving career scaling organizations and improving the quality of organizational outcomes. He spent over 10 years at a senior executive position at Arizona State University (ASU), the world's largest university by student enrollment, as per U.S. News and World Report. Previously, under his leadership as Senior Vice President for research and innovation at ASU, nearly 5,000 distinct results in funding. Dr. Shangraw holds a master's degree and a Doctorate in Public Administration from the Maxwell School at Syracuse University.

25 YEARS OF EXCELLENCE



A Virtual Masterclass on
CHALLENGES AND OPPORTUNITIES FOR INDIA'S ECONOMY IN THE POST-COVID ERA

13th Sept 2021 | 10:00-11:00 AM IST



Dr. Subramanian Swamy
Member of Parliament - Rajya Sabha
www.ncuindia.edu

Dr. Subramanian Swamy is an economist, statistician, politician, and Member of Parliament in the Rajya Sabha. Before joining politics, he was Professor of Mathematical Economics at IIT Delhi. His previous roles include being a member of the National Commission on the Commission Cabinet Minister in the Chandra Shekhar government, Chairman of the Commission on Labour, Chairman of the Commission on Labour, Chairman of the International and Trade. He is a prolific columnist and author of several books on foreign affairs of India. Healing largely with China, Pakistan and Israel. Dr. Swamy earned his Doctorate in Economics from Harvard University and Master's in Statistics from Indian Statistical Institute, Kolkata.

25 YEARS OF EXCELLENCE



A Virtual Masterclass on
IMPORTANCE OF ACCREDITATIONS WHY STUDY AT AN ACCREDITED INSTITUTION ?

14th Sept 2021 | 2:00 - 3:00 PM IST



Dr. Agueda Benito
Chief Academic Officer
Cinead Education
www.ncuindia.edu

Dr. Agueda Benito was the Chief Academic Officer for Laureate Europe, Middle East, Asia, and Africa. In her role, she provided guidance and support to the academic leaders of the respective institutions located in six countries. Her primary focus was on the quality of the students, their experience and their employability. Faculty development, innovation, accreditation, and the enhancement of the institutional reputation. Her academic merits are extensive and include numerous publications, research projects, the direction of Ph.D. theses, and evaluation of institutions and programs.

25 YEARS OF EXCELLENCE



A Virtual Masterclass on
FIRESIDE CHAT

14th Sept 2021 | 10:00 - 11:00 AM



Sanjeev Bikhchandani
Co-founder
Info Edge
www.ncuindia.edu

Pedro's first favorite Sanjeev Bikhchandani is the Founder of the immensely successful Info Edge, which owns Rediff.com, Jeevasanbi.com, 99acres.com, and Shiksha.com. A serial entrepreneur, he is a pioneer in the consumer internet space. He completed his BA in Economics from St. Stephen's College, Delhi, and his MBA from IIM Ahmedabad.

25 YEARS OF EXCELLENCE



A Virtual Masterclass on
PLACING A PHARMACEUTICAL COMPANY ON A GLOBAL MAP JOURNEY OF A LEADER

15th Sept 2021 | 10:00 - 11:00 AM IST

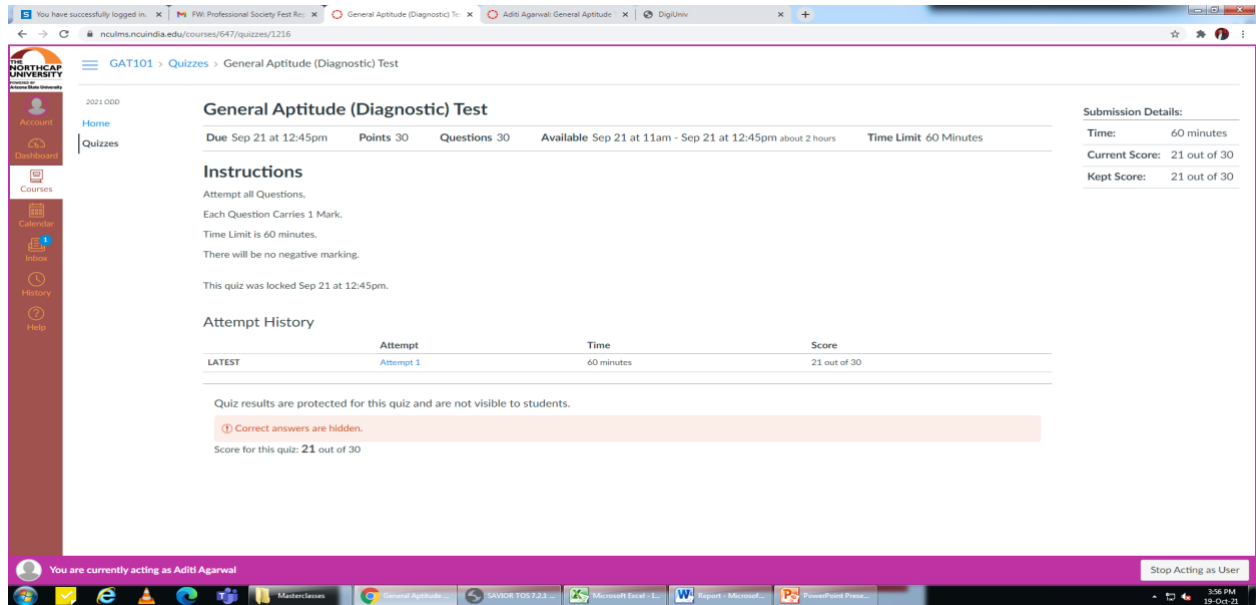


Dr. Saumen Chakraborty
Advisor, Dr. Reddy's Laboratories
Ex-President and CEO
www.ncuindia.edu

Dr. Saumen Chakraborty is currently Advisor to Dr. Reddy's Laboratories, among other positions including head of operations. He earlier served as President and Chief Financial Officer of Dr. Reddy's. He has a rich professional experience and has played a significant role in the pharmaceutical industry. He has been a member of the board of directors of several companies and has been instrumental in making Reddy's one of the most successful companies in India. He has also been a member of the board of directors of several companies and has been instrumental in making Reddy's one of the most successful companies in India. He has also been a member of the board of directors of several companies and has been instrumental in making Reddy's one of the most successful companies in India.

2. General Aptitude Test:

An aptitude test was conducted for all the students. The course was created on canvas and all students took the exam as a quiz on canvas. A session on canvas was conducted by IT team prior to this quiz which made the students aware of the features of canvas and explained them the procedure to login into the system.



3. Community Services

ACTIVITY TITLE	Community Service @ NCU
CONDUCTED BY	Mr Himangshu Rathee, Dr Shilpa Sindhu and Dr Anshu Malhotra
ACTIVITY DATE	Sep 22, 2021
ACTIVITY SNIPPET	Mr. Himangshu Rathee, Dr Shilpa Sindhu and Dr Anshu Malhotra delivered parallel lecture in the second session of the Induction program on 22.09.2021 entitled "COMMUNITY SERVICES (CS) @ NCU" for newly admitted first year students. In the session, importance of the community service and execution of the community service hours @ NCU were explained to the students. Glimpses and details for execution of joining the 14 community clubs were discussed. Various queries raised by students regarding the Community services were resolved by the speakers. MindMap Activity was played in which students had to think of the community service and try listing all the activities that they can do under community service. The activity was very fruitful and the session ended with a positive remark.

ACTIVITY PICTURE(S)

4. Momentum Details and Videos

ACTIVITY TITLE	<i>Momentum Details and Videos @ NCU</i>
CONDUCTED BY	SAL Team
ACTIVITY DATE	Sep 22, 2021 & Sep 27, 2021
ACTIVITY SNIPPET	The students were briefed about the conduct and structure of the annual techno-cultural fest Momentum. The students were apprised with the journey of the previous Momentums by the display of attractive videos of the past successful events. The team shared information about the various on-stage and off-stage events like dance competitions, solo and duet singing competitions, dramatics, photography competitions, jam sessions and Mr & Ms Momentum. Since the session's objective was to motivate and encourage maximum participation from the students, the team shared the registration and participation details were shared with the attendees. The importance of participation in extra-curricular and sports activities was also reiterated. They were told how they could become well-rounded individuals with better confidence and leadership, and teamwork abilities. The concept of the Three-Tier Student Team, including the Core team, Main Team and Event Coordinators, was also explained to the students in order to clarify the roles they would be playing in organizing the event. The session was made attractive by showing glimpses of the previous Star Nights that were successfully organized at the University. Lastly, an alumnus and a few senior students were also invited to share their experience about the past momentums

	where they were a part of the various teams and how the participation helped them shape their careers better.
ACTIVITY PICTURE(S)	

5. Art of Living

ACTIVITY TITLE	<i>Art of Living @ NCU</i>
CONDUCTED BY	<i>Dr. Divyabha Vashisth</i>
ACTIVITY DATE	Sep 24, 2021 & Sep 27, 2021
ACTIVITY SNIPPET	<p>The Session on ‘Know the Genius within’ started at 11.15 am on 24 September 2021. The speaker for the session was Ms Jaya Saxena, who has been working as SDG4 & 16 Quality Education & Peace SDG Ambassador SDGChoupal supported by NITI Aayog ,Govt. of India and a Rajyoga Meditation Practitioner for over 14 years consulting ,supporting thought labs set up in Educational Institutions .The session started with a question related to the topic of the presentation - the question was what is this genius power that lies within us. Students answered with answers like brain, thoughts, ideas, creativity, imagination, etc. This was followed by an activity wherein, a situation was given to imagine that mind is a child and he is sharing with us how he/she feels, (good, stressed, anxious, etc) and we tell our mind that we can fix everything and not to worry. A song was played for this activity.</p> <p>We also discussed the basic nature /tendency of mind, every thought has energy, how mind is not a physical but subtle organ, where it is located, how many thoughts we generate per day and how much energy of ours goes into it.</p> <p>Moreover, we discussed the thought process cycle and how what we sow, we reap, variety of thoughts and how powerful thoughts like - Success is my birthright, I can do it can change our destiny.</p> <p>We briefly discussed the question who is the controller of my thoughts and my feelings, the students answered with variety answers first, but ultimately with few hints led to the right answer. After which we discussed how we can master our mind and win the battle of mind every time, followed by a song to take some positive affirmations within.</p>

The second Session was conducted on 27 September 2021 at 11.15 am with the discussion of what thoughts are and why they are important. One of the students answered that thoughts are required to express and communicate and that overthinking leads to stress. With that we had a discussion on how thoughts can affect our environment, our health and change our destiny. Afterwards the various learning outcomes of the course were shared with the students. We had an interactive discussion on whether stress was useful to improve our productivity and whether harmony in relationships was important.

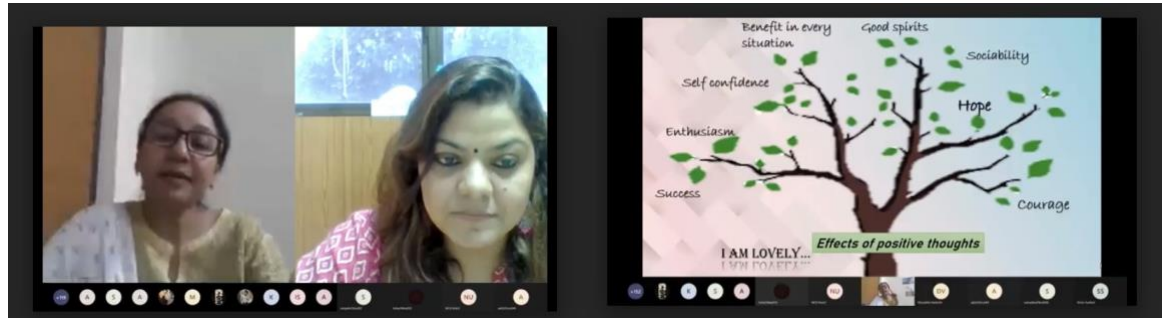
We discussed the role of mind and where it is located in our body . Some students said brain and some said heart. We did an activity to understand how different types of thoughts affect our feeling and what is the role of mind and intellect in our life.

We finished the discussion with the types of thoughts with examples shared by students. We also learned how every thought is energy and how 90% of our energy is wasted in negative and waste thoughts. So by being aware of our thoughts and converting waste and negative thoughts to positive how we can conserve energy and achieve better results.

Both

the sessions were well received by the students.

**ACTIVITY
PICTURE(S)**



6. Alumni Session:

A session on conversation with the Alumni of The NorthCap University was conducted on 24th September by Prof. Milind Padalkar. The alumni students answered multiple queries raised by the incoming students.



ALUMNI CHAT SESSION
Have your queries answered

Agrata Kumar
B. Tech. EECE
Batch of 2014
Deloitte

Nidhi Chaturvedi
MBA
Batch of 2016
publicis sapient

Karan Wadhawan
B. Tech. IT
Batch of 2015
FORNIA SOLUTIONS

Rohin Singh
B. Tech. CSE
Batch of 2020
VOLVO VOLVO GROUP

Mandeep Kalra
BBA LL.B.
Batch of 2016
[Logo]

Puneet Khanduja
MBA
Batch of 2015
Mercer

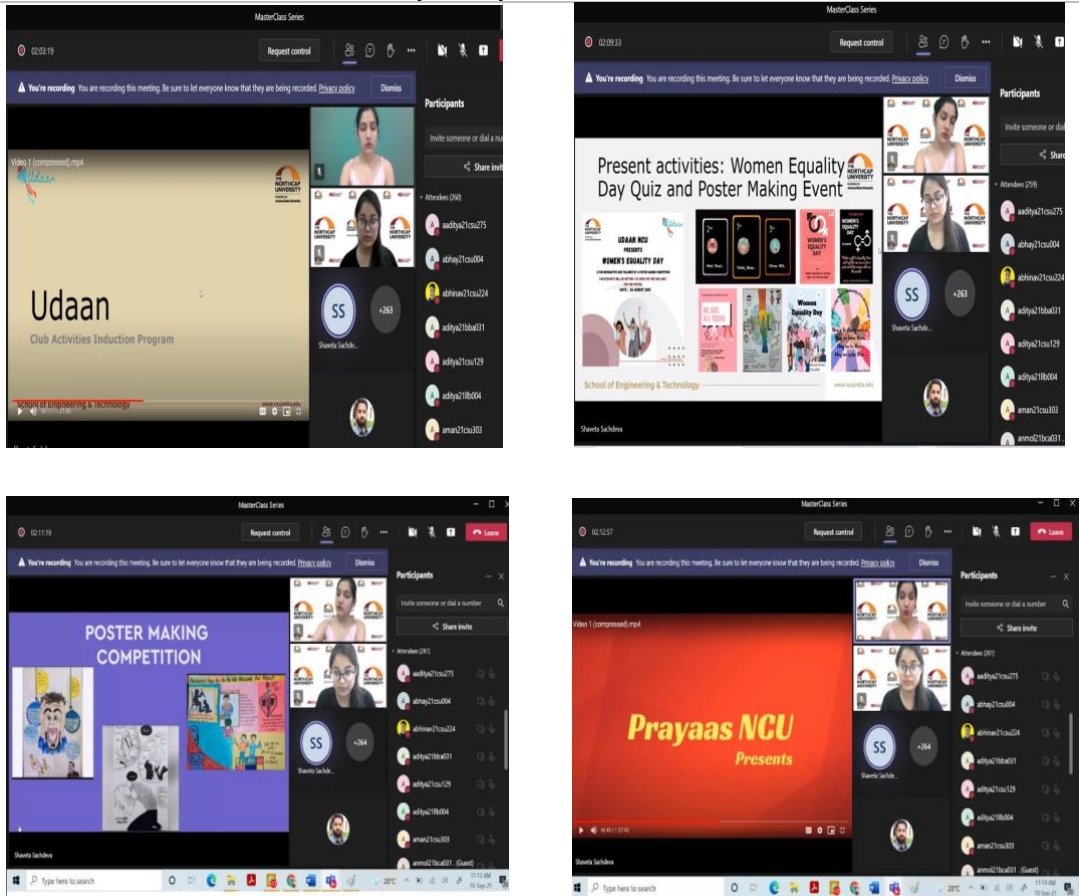
Prateek Ahuja
B. Tech. CSE
Batch of 2019
EY

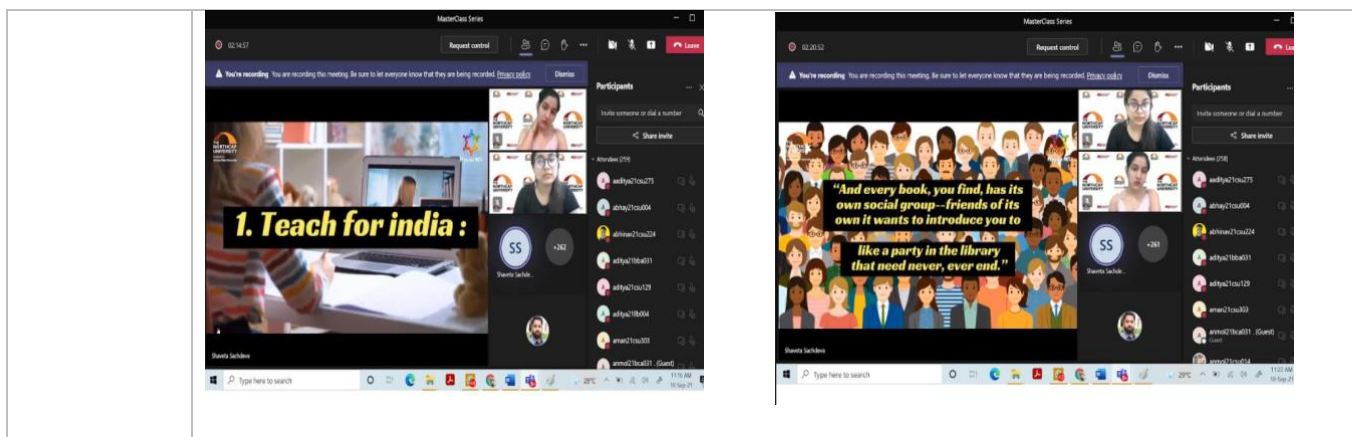
Prof. Milind Padalkar
Pro Chancellor (Operations)
Moderator

24th September 2021
3:00-4:00 PM IST

zoom YouTube Live

7. Club Activity

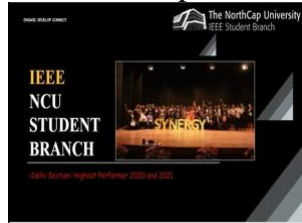
CLUB ACTIVITY	
Title	Introduction of Clubs
Conducted by	Mr. Lokesh Chaudhary, Dr Shaveta, Ms Harshita Jha
Session Date	Sept 03 & 7, 2021
Session Snippet	Student Activity and Leadership (SAL) Committee of The NorthCap University introduced all NCU “Clubs” virtually to all the new students of the university. This was done on an online platform (Microsoft Teams) through showcase of videos. The video of each club indicated the glimpses of the events conducted by respective club over the years and also gave information on “How to join the club” giving chance for new entrants to explore their interest areas and become functioning member of various clubs. To involve students actively during the session an event was also organized by Club Lumiere- The Photography club of NCU named “Story behind the photograph” which saw enthusiastic participation in huge numbers. Performing Clubs like Dance Club, Encore- The Music Club also organized auditions to recruit new students based on their talents. Later the university students were given the registration link and details for joining clubs of their interest. A total of 261 students participated in the session.
Picture(s)	 <p>The figure consists of four screenshots from a Microsoft Teams meeting. The top-left screenshot shows a presentation slide titled 'Udaan Club Activities Induction Program' with a video player and a list of participants on the right. The top-right screenshot shows a presentation slide titled 'Present activities: Women Equality Day Quiz and Poster Making Event' with images of posters and a list of participants. The bottom-left screenshot shows a presentation slide titled 'POSTER MAKING COMPETITION' with images of posters and a list of participants. The bottom-right screenshot shows a presentation slide titled 'Prayaas NCU Presents' with a red background and a list of participants.</p>



8. Professional Society Activities

Title	Professional Society Fest 2021 @ NCU
Conducted by	Dr. Sharda Vashisth
Session Date	Sep 17, 2021
Session Snippet	<p>The Professional Society subcommittee, headed by Dr. Sharda Vashisth organized the second virtual Professional Society fest on 17th September 2021 from 10 AM to 12 PM. The event was spearheaded by student coordinators Aviral Verma (18ecu032) and Rohit Dalal (19CSU260). 595 students of first year attended the event. The six-hour event was conducted in three phases:</p> <ol style="list-style-type: none"> 1. From 10 AM to 12 PM: Heads of all societies presented their past activities, membership benefits and future activities of their society. Each society was stipulated 10 minutes of time for their presentation. 2. From 12 PM to 2 PM: The breakout rooms were opened for the societies where first year students interested in joining the society discussed with the society coordinating team about all the benefits of taking membership of the society. 3. From 2 PM - 4 PM: The presentations still continued. However, the breakout rooms for each society were open for all the attendees, in order to further clarify and answer all the doubts of the attendees pertaining to their society. <p>Queries were answered parallelly through Chat also.</p>
Picture(s)	Following societies took part in the presentation:

Institute of Electrical and Electronics Engineers (IEEE) : Presented by Saloni Yadav, Chairperson



Association of Computing Machinery (ACM) : Raksha Rawat, Chairperson



American society of quality; Vice-Chair Vedant Vasistha



Computer society of India; President Kartik Rao



Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE) : Mayank Yadav, Office Bearer



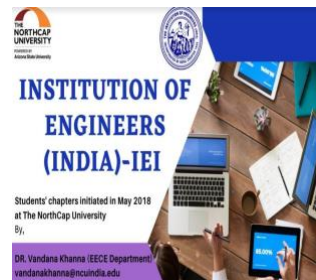
Women In Engineering (WIE) : Bhoomi Jain, Vice - Chairperson



Technology and Engineering Management Society (TEMS) : Vidushi , Vice Chairperson



Institution of Engineers (IEI ECE) : Anirudh, President



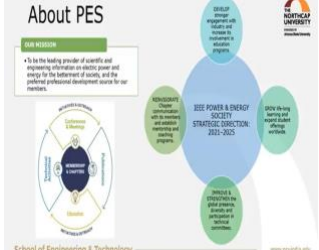
Industry Applications Society (IAS) : Deepanshu Manocha, Chairperson



Robotics and Automation Society (RAS) : Ipshita Dutta, Vice-Chairperson

Power and Engineering (PES) : Vibhuti Dahiya, Chairperson

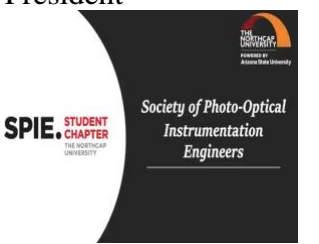
IEI CSE : Pooja Sethi, Chairperson



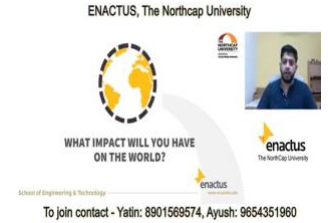
Engineers Without Borders (EWB) :
Shruti Pandey,
Core member



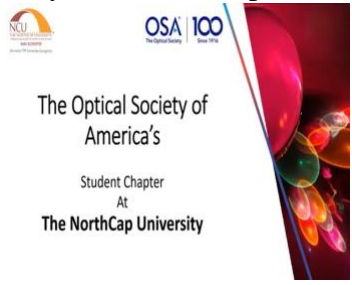
Society of Photo-Optical Instrumentation Engineers (SPIE) : Anirudh,
President



Enactus; Ayush Rana,
office Bearer




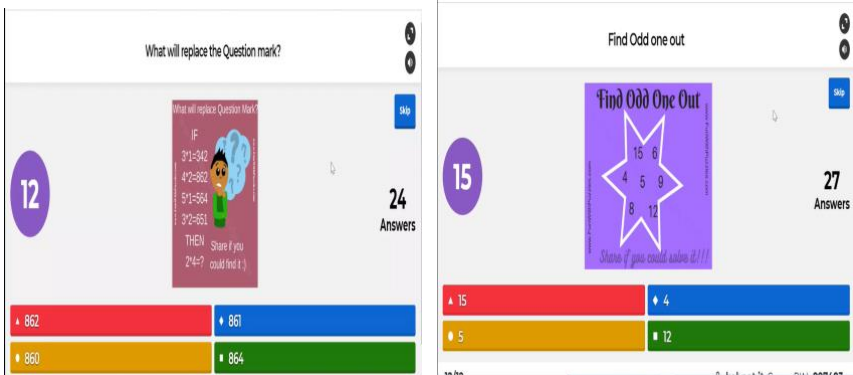
OSA (The Optical Society);
Mayank Jain, Chairperson



OWASP (Open Web Application Software Project) ; Shivansh Khari;
office bearer



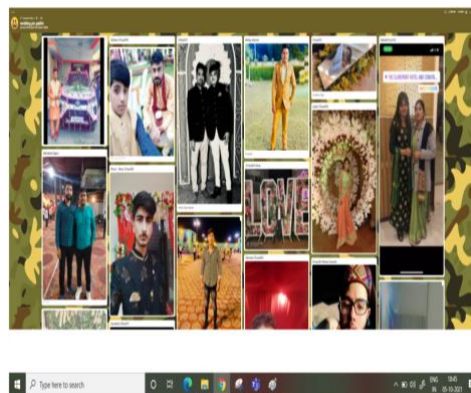
9. Online Game

ONLINE GAMES ACTIVITY 1	
CONDUCTED BY	Dr Hitesh
ACTIVITY DATE	Sep 1, 2021
ACTIVITY SNIPPET	<p>In this session, Dr Hitesh started the meeting with a warm-up session. The students were made to attempt an online Quiz on Kahoot. It was a fruitful and enjoyable session where Dr Hitesh shared guidelines and the instruction of the games with the students and helped them take the Quiz.. Winners of game are following:</p> 
PICTURE(S)	

TITLE	ONLINE GAMES ACTIVITY 2
CONDUCTED BY	Dr. Akanksha Mathur and Dr. Hitesh
ACTIVITY DATE	Sep 22, 2021
ACTIVITY SNIPPET	<p>In this session, the students took part in Online games created by Team SAL. The session was thoroughly enjoyed by all the participants as it gave them an opportunity to unwind and enjoy together. Dr. Akanksha started the session with a brief warmup which was followed by a Social Media Virtual Scavenger Hunt. In this game the</p>

students shared their posts/ pics of last diwali/ last wedding attended and their selfies with their pets or any animal. Subsequently, participants played an online soduku game on the link shared. The first three entries were applauded as winners for each online hunt and Soduku game. Dr. Akanksha and Dr. Hitesh coordinated the online event.

PICTURE(S)



Winners of the game are the following:

Scavenger hunt 1	Scavenger hunt 2	Online Soduku
Sidhant 21CSU098	Nikita21MBA019	Pearl21CSU073
Anjali 21BAE008	Abhay 21CSU004	Bhawna 21BCOM09
Nikita 21MBA019	Naman21CSU369	Kunal 21CSU393



ONLINE GAMES ACTIVITY 3

Title	Online Games	
Conducted By	Dr. Hitesh	
Student Coordinator	Sidhant Gumber (19CSU308)	
Activity Date	September 29, 2021	
Activity Snippet	This was an interactive session with students especially for those who have interest in Gaming and Game Development. The attendees were provided links to several games developed by the 3 rd year Game tech students.	
	GAME	Student coordinator
	Crappy Bird	Sidhant Gumber (19csu308)
	Rocket Rush	Sidhant Gumber (19csu308)

Dèjà vu	Prashant Gupta (19csu218)
Racing spectacle	Shivansh Mahendru (19csu295)

The students played the Crappy Bird game and top 3 players were selected for first, second and third positions.


One of the students who broke record rewarded Rs. 100 by Sidhant himself.

Winners of the game are the following:

WINNERS OF ONLINE GAMES ACTIVITY(29-09-2021)

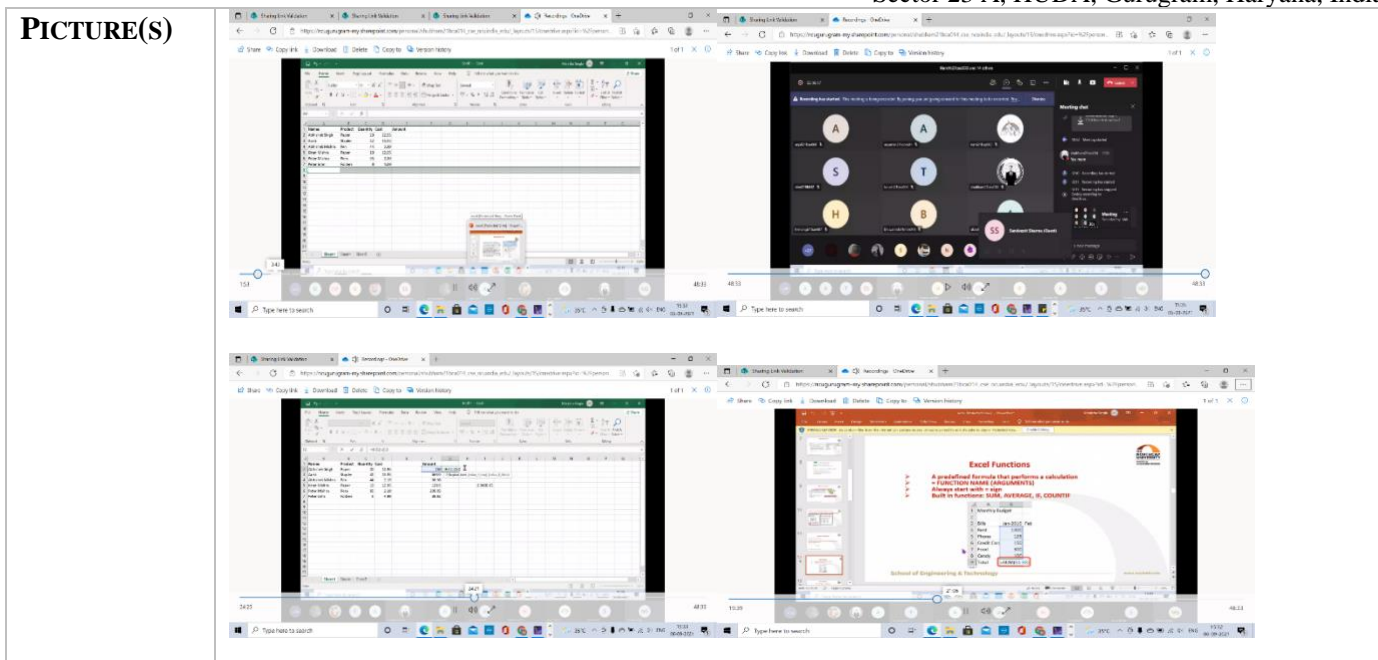
First	Second	Third
<ul style="list-style-type: none"> Shubham (21CSU157) Score:120 	<ul style="list-style-type: none"> Divyansh(21CSU214) Score 90 	<ul style="list-style-type: none"> Ajay (21CSU008) Score: 84

Picture(s)



10. Computer Skills Module

SESSION TITLE	Computer Skills
CONDUCTED BY	Ms Manisha Singla, Ms. Garima Sharma
DATE	Sep 6-18, 2021
SNIPPET	In this session, 101 students attended this session. This session was about the advanced features of MS Excel. It was an interactive session. We asked various questions and students answered those questions meticulously.



11. Communication Skills Module:

SESSION TITLE	Communicatio Skills
CONDUCTED BY	Dr. Payal Khurana, Dr. Shrutimita Mehta
DATE	Sep 6-18, 2021
SNIPPET	Communication Skills modules were conducted by CLL, as per the University guidelines. Eight sessions of one hour each were delivered to students of all the three Schools: School of Engineering & Technology, School of Management and School of Law.
PICTURE(S)	

12. Department Level Activities:

Department Level Activities were conducted at the department level and were a mix of mentoring sessions, introduction to specializations (CSE), ERP registration, visits to technical labs, thought lab, tinkering lab, campus visit, sports activities etc. The detailed reports of all departments are attached as under Annexures enclosed:

1. SOM (Annexure-A)
2. SOL (Annexure-B)
3. CSE (Annexure-C)
4. EECE (Annexure-D)
5. ME (Annexure-E)
6. APS (Annexure-F)

13. Closing Session and feedback:

A closing session in each department consisted of a formal welcome to the students and an address by the HoD of the department. A feedback form was shared by the mentors which can be accessed by the following link:

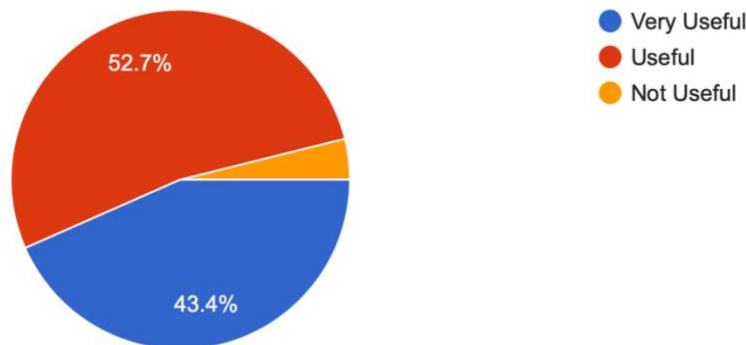
https://docs.google.com/forms/d/18tFyQe9odrD2e-oO_SnJRza34sRo5WoTXj0fGM253UY/edit?ts=61543b75#responses

The students filled the feedback enthusiastically. The following are the feedback outcome:

Feedback:

Was the Induction Programme useful for you.

258 responses



What did you like most about the Induction Programme?

Everything

Master class series

Masterclass

everything

MASTER CLASSES

Masterclass series

Everything

master classes

Webinar

Master classes

MASTERCLASS SERIES

Gives a brilliant understanding about future.

The knowledge we gained from it

It helped us interact with various eminent speakers and made us explore the university well.

The programme itself

i felt good about i shifted from school to college

Training provide by the master's

I got know more about the university and the faculty

Explanation by our guests about our future opportunities.

orientation

it helped me increase my knowledge, skills and confidence.

INTRODUCES WELL ABOUT THE CULTURE AND NORMS OF THE UNIVERSITY OVERALL INDUCTION PROGRAMME WAS QUITE PRODUCTIVE.

I liked everything

I got exposure of university

Induction programme taught us almost everything about the struture of our academics.

The masterclass with Ambassador(Retired)Deepak Vohra

Got to know about the new things

To express myself.

masterclass with Ambassador(Retired)Deepak Vohra

Progeamme was very good it help a new comer to know more about collage

It was quite useful in uiding a total new path for the students

Alumini Interactions

The Masterclass sessions...

Knowing about the university academic and other co curricular activities.

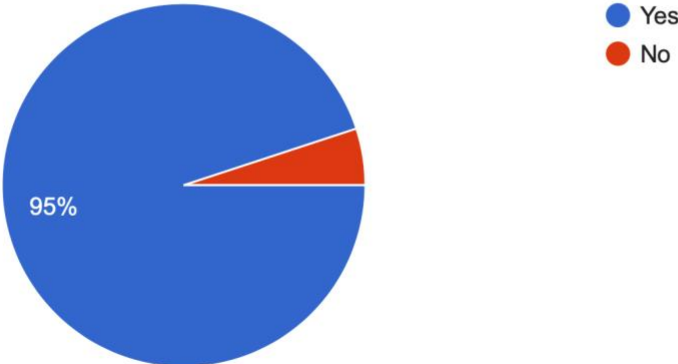
They take feedback from students

Listening the experience of the alumnis and the eminent speakers

The interactive sessions of various renowned personalities from diffrent areas and their useful advice to students about future scopes was a great thing. They also told us about how to develop our personality and character and how to work on a positive mindset was the best part. Enjoyed having inspiring sessions with them 😊

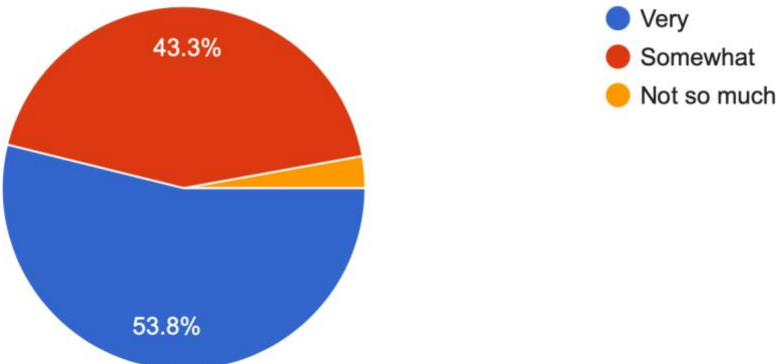
Do you now feel settled and a part of the University.

258 responses



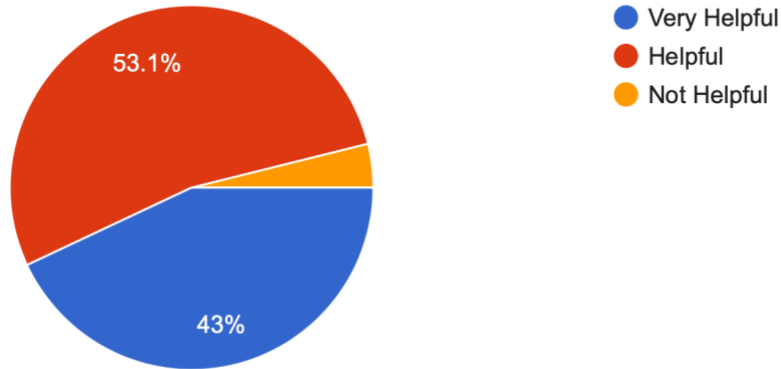
Did you find the MasterClass series interesting and motivating?

247 responses



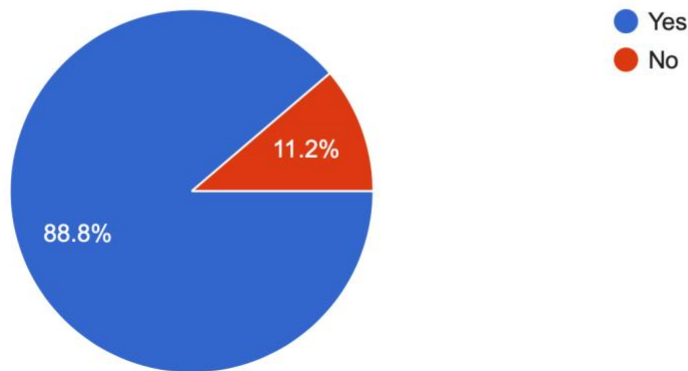
How helpful Induction programme was for giving you exposure on the University culture, procedures, academic, co curricular and extracurricular activities etc?

258 responses



Have you been able to know your mentor well.

258 responses



In what ways has this programme benefited you, particularly towards your overall development?

Sorting out the best career field
Self development
To become more confident
It increases courage to do better in life,confidence,knowledge level,Got to know about various new things and listening skills,vocabulary

I feel more confident and prepared. I've been given a good idea of what my five years at NCU will look like and I'm not so nervous anymore.

Motivation

Developed listening skills more

the fear of getting used to the new things have now disappeared.

The insight that the speakers provided

Communication skills

It had helped me settle better in my college.

Many

For my further journey at NCU

The Induction Programme at NCU has helped me gain confidence.

got to know about the university well

It has made it easier to adapt to the university culture and stuff

Listening to what mistakes people made in their past and I will be trying to refrain from the same during my college life as well as my corporate journey.

seeing things from various aspects and from other people opinion

I think it has motivated me and directed me to change my attitude

HELP ME TO KNOW ABOUT THE NORTHCAP UNIVERSITY .

A lot of motivation

,

It has helped me in gaining experience.

through masterclasses we learned what other people at same field did

It has helped me in number of ways. It has helped me gaining knowledge about various courses, boosting my confidence, interaction with my peers and faculty.

I got to learn about the various clubs which will help in developing the multiple skills which are so necessary in today's competitive world.

This induction programme motivated me very much and this helps me to know the university also.

BETTER SELF AWARENESS

-

It benefited me by learning through the sessions how to deal with challenge

It teaches us never give up

got some knowledge about the market trends

This programme helped me to be more: Confident Innovative Learning new things Understanding the upcoming opportunities

Settling down in university and all the rules and regulations

i can now think more precisely and flunt more thoughts about my career

Helped in building up self confidence

As I stated above the Master Classes gave us an opportunity to hear and look from the perspective of one of the most brilliant minds. The mentors were very generous with all kinds of information and details regarding the university and lastly the way The NorthCap University has welcomed us so warmly and with such elation, I as a student feel exhilarated and extremely confident enough to be joining tis august institution.

Knowing what i need to do .

Personality development Knowledge about surroundings

got to learn few new things

this progamme helped me to gain an insight as to what more skills I have to add in my personality and development.

Yes

Knowledge about the real world how it work is provided to me

Help in getting out my fear about colleges ,people and all.

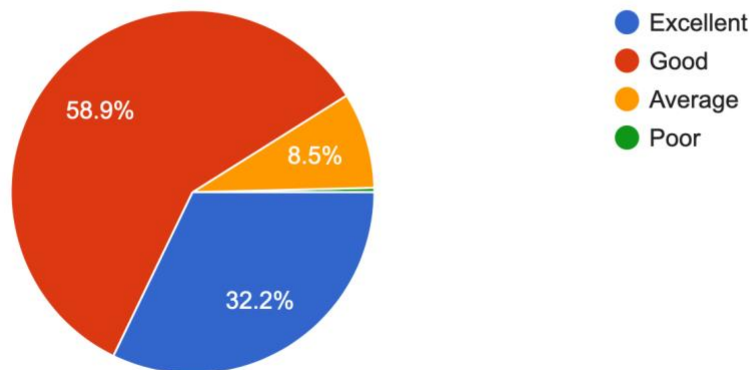
I feel excited and happy to be part of NCU. The Programme helped me to know about different aspects of career and jobs. It encouraged me and created awareness.

All the activities conducted during the induction program helped us in gaining information and knowledge about various areas(professional, academic, and personal) and also learned soft skills which would benefit us throughout life.

It aided me in advancing my understanding of this university and the roles in it
Developing my skills and inner power
This benefited me the way that i got an opportunity to interact with speakers and faculty.
Thinking power increase
This programme has helped me get the knowledge of varieties of fields like Engineering, MBA, Law... The sessions have upgraded my presentation skills. The sessions taught me how people fail a lot of times but never give up and those are the real life heroes.
it give ideas or understanding about the university
I got to know a lot about University
I got exposure on university culture and environment in everyway
Mainly Master class was very motivational and exploring to know about Eminent speaker .
personalaity development , speaking skills development etc.
Provide the knowledge about how to go forward with my studies
The motivation and ideas I got.
I dont know
This induction programme helped me by giving useful tips for my career .
it teach me how to think
CLEARENCE TOWARDS MY GOAL
I now know how to attend meetings without technical issues
Now I can join my classes and know how to join them them without technical issues
Now I know how to join my classes without technical issues
Helped me gain more confidence
Overall the induction programme was very fruitful for me as it made me quite familiar with the university and made me explore the opportunities.
it helped me to get to know about a lot of new fields in engineering and the overall industry
made me more positive towards my goal
helped me to know about the university and improve my skills
It gave me knowledge
It motivated me to try my level best, both in academics and co-curricular activities
It was provided me with a way to encounter my problems in the college
My mindset and my thinking has totally changed and I now feel that I can be a better human and can achieve a lot in life with right and a positive attitude.

Overall, how would you rate the Induction Programme?

258 responses



Do you have any other suggestions or comments to help us improve our future Induction Programmes?

No

no

-

NO

.

NA

Cooperation in technical issues with students

nothing

it should be more interactive

not so much

it should be offline.

TALK MORE ABOUT SELF DEVELOPMENT

no, you are perfect in every way...

Cooperation in technical issues

There are some but overall it's good. So not need to some specific changes.

not taken

no, it was all arranged quite nicely

Fantastic

don't provide masterclasses daily

The Induction programme could also include a session to guide students regarding transportation facilities and other connectivity to the university.

No suggestions, it was good.

It was a very intellectually stimulating programme. Gratitude to the respected authorities for giving us the opportunity to be a part of this.

also give contact no for every different form

PLEASE MAKE CLUB AND SOCIETY PART MORE CLEAR

Nothing to say right now.

Next time sticking to one platform would be better

No it was organized very well.

NOPE

No

i dont know

You can introduce mentors with students.

Everything was fine

No.


No

not any

Reduce the number of days of induction program.

School of Management – Induction Program for Academic Year 2021-22

Schedule

 <p>THE NORTHCAP UNIVERSITY <small>POWERED BY Arizona State University</small></p>	<p>Induction Programme</p> <p>Entrants of AY 2021-22</p> <p>Sep 2-4, 2021</p> <p>The NorthCap University</p>
--	---

DAY 1: SEP 2, 2021 (Thu)

ON CAMPUS - The NorthCap University

TIME	ACTIVITY	VENUE
09:00am - 10:00am	Reporting & Registration	New Building GF Lobby
10:00am - 10:20am	HOD's Address	Seminar Hall
10:20am - 10:40am	Introduction - Faculty & Roles	Seminar Hall
10:40am - 11:10am	ERP & CANVAS Registration	Room# 022
11:20am - 12:00pm	Campus Visit	-
12:00pm - 12:30pm	Lunch Break	Seminar Hall
12:30pm - 01:20pm	Student Engagement Activity	Seminar Hall
01:30pm - 03:00pm	Workshop - Email Etiquette	Seminar Hall

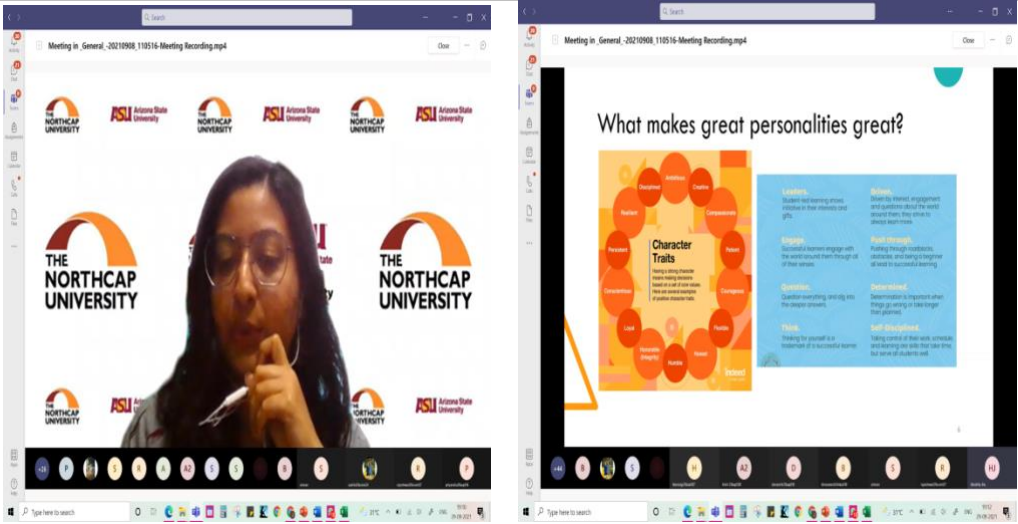
DAYS 2 & 3: SEP 3 & 4, 2021 (Fri & Sat)

ONLINE - Microsoft Teams

TIME	Sep 3, 2021 - ACTIVITY	Sep 4, 2021 - ACTIVITY
10:00am - 10:50am	Presentation on Course Credit Regulation	Alumni Connect
11:00am - 12:00pm	I'm Smarticus (Online Quiz)	International Speaker
12:00pm - 02:00pm	Lunch Break	Lunch Break
02:00pm - 02:50pm	Workshop - Writing Persuasive Texts for the Digital Media	Workshop - Lucidchart
03:00pm - 03:50pm	Workshop - Dress Etiquette	Closing Session and Students' Speak <i>(Student Feedback on Induction)</i>

List of Activities conducted at SOM Level (In accordance with University Schedule)

ACTIVITY 1

WORKSHOP TITLE	Knowing Ourselves: Personality Quiz
CONDUCTED BY	Ms Harshita Jha
WORKSHOP DATE	Sep 6, 2021
WORKSHOP SNIPPET	In this session, the students took the 16PF Personality Test. It was a fruitful and enjoyable session where, Ms Harshita shared concept & relevance of personality traits with the students and later helped them take the 16PF test online.
WORKSHOP PICTURE(S)	

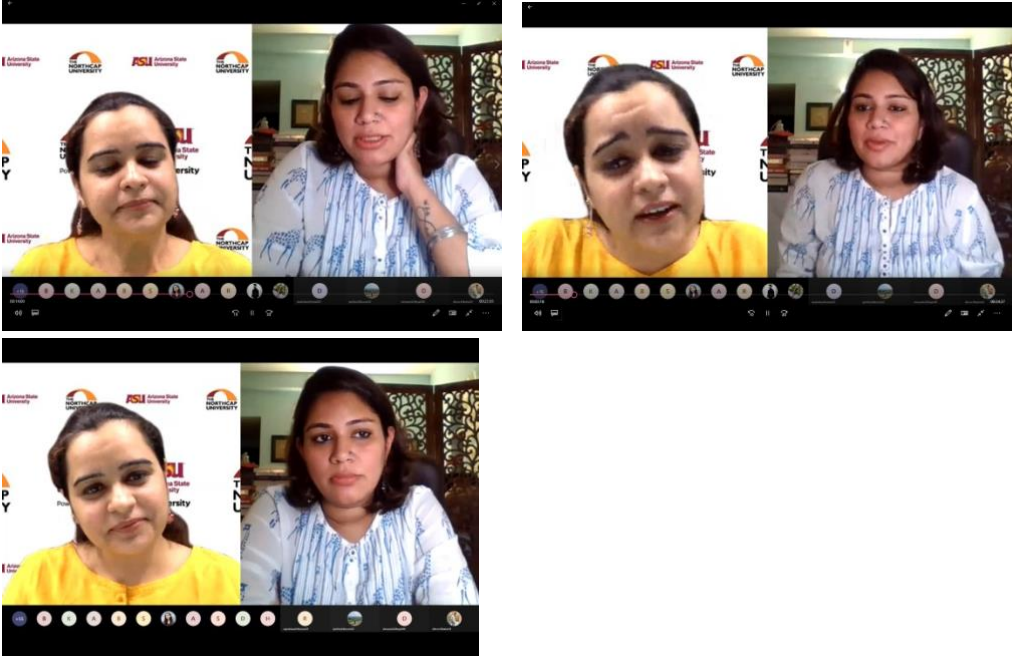
ACTIVITY 2

WORKSHOP TITLE	Transactional Analysis (TA)
CONDUCTED BY	Ms Jiveta Chaudhary Grover
WORKSHOP DATE	Sep 7, 2021
WORKSHOP SNIPPET	The workshop covered concept of TA and presented how ego-states influence interpersonal communications and relationships at the workplace.
WORKSHOP PICTURE(S)	<p>The screenshots illustrate key concepts of Transactional Analysis (TA). The top-left image shows the cover of the book 'Transactional Analysis' by Jiveta Chaudhary Grover. The top-right screenshot displays a slide titled 'EGO STATES' with the following definitions:</p> <ul style="list-style-type: none"> P (Parent): To maintain values that have been thoughtfully evaluated and found to be worth keeping. To test and acquire new values that reflect basic dignity and generate growth and change for the person. A (Adult): To initiate, To start, To be first, To care, To risk for others. C (Child): TO DO GOOD THINGS WHEN OTHERS ARE DOING NOTHING. <p>The bottom screenshot shows a slide titled 'COMPLEMENTARY TRANSACTION' with several dialogue examples and corresponding ego state diagrams:</p> <ul style="list-style-type: none"> "Kids are lazy these days!" (P) ↔ "And they're all on drugs!" (P) "Hi, how are you?" (A) ↔ "I'm fine thanks." (A) "I really like you!" (C) ↔ "I like you too!" (C) "Where's that report?" (P) ↔ "I.. I.. I'm sorry, it's not finished." (C)

ACTIVITY 3

GUEST LECTURE TITLE	Guest Lecture - Campus to Corporate - Mr Saurabh Kalra
ORGANIZED BY	Ms Jiveta Chaudhary Grover Dr Shilpa Sindhu
WORKSHOP DATE	Sep 15, 2021
WORKSHOP SNIPPET	<p>Saurabh Kalra is a well-rounded HR professional with over 15 years of experience in HR across various domains like Business Partnering, Talent Acquisition, Rewards, Performance Management, Learning and OD. He currently works as Senior Vice President HR with MakeMyTrip. He was identified among the top 25 Young HR Leaders in India by Peoplematters and DDI in 2012. Saurabh regularly conducts corporate workshops in the area of HR visioning, Digital HR, Agile HR and Leadership Development. He is a Certified Talent Management professional from Korn Ferry. He is also a certified practitioner of psychometric tools such as DISC (Thomas International) and MBTI. Mr Kalra mentored students on how they could be successful as they progress on their journey from campus to corporate.</p>
WORKSHOP PICTURE(S)	

ACTIVITY 4

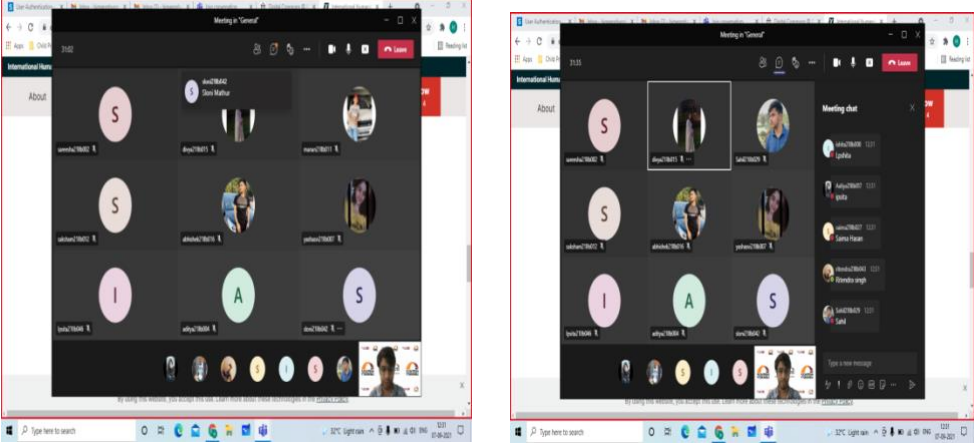
GUEST LECTURE TITLE	Journey of a Self-starter - Interview with Ms Nandita Mehta
ORGANIZED BY	Dr Shilpa Sindhu Ms Jiveta Chaudhary Grover
WORKSHOP DATE	Sep 16, 2021
WORKSHOP SNIPPET	Vineeta and Nandita are Founders and Owners of the venture Love is Cakes. Established in 2013 as a home bakery, today it has grown into a successful business run by the owners with their professional team of 19 people. Vineeta and Nandita are epitome of successful women entrepreneurs. In this session, we interviewed Ms Nandita Mehta to help our students understand the nuances of setting up a venture and making it successful.
WORKSHOP PICTURE(S)	

School of Law – Induction Program for Academic Year 2021-22

List of Activities conducted at SOL Level (In accordance with University Schedule)

WORKSHOPS AND GUEST LECTURES FOR STUDENTS


ACTIVITY 1

WORKSHOP TITLE	Open Education Resources
CONDUCTED BY	Mr. Himangshu Rathee
WORKSHOP DATE	Sep 7, 2021
WORKSHOP SNIPPET	The workshop covered concept of TA and presented how ego-states influence interpersonal communications and relationships at the workplace.
WORKSHOP PICTURE(S)	

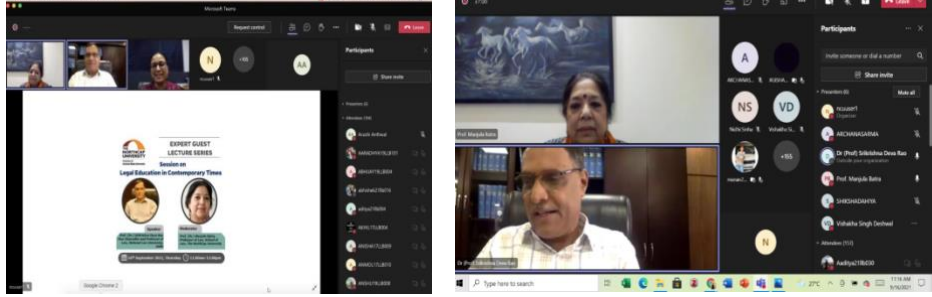
ACTIVITY 2

WORKSHOP TITLE	Navigating the Canvas Learning Management System
CONDUCTED BY	Ms. Arushi Anthwal
WORKSHOP DATE	Sep 8, 2021
WORKSHOP SNIPPET	In this session, the students were acquainted with the basics of Canvas LMS and how they can navigate through the courses to make the best use of the online resources on Canvas.
WORKSHOP PICTURE(S)	

ACTIVITY 3

GUEST LECTURE TITLE	Addressing Gender-Based Violence with Special Reference to Sexual Harassment at Workplace by Advocate Zeba Khair
ORGANIZED BY	Prof. Dr. Manjula Batra, Ms. Shiksha Dahiya
WORKSHOP DATE	Sep 15, 2021
WORKSHOP SNIPPET	<p>Ms. Zeba Khair is a well accomplished practicing advocate. Litigation is her forte. She extensively appears in different Courts and Forums like the Supreme Court of India, State High Courts, District Courts and the National Company Law Tribunal.</p> <p>Ms Khair specialises in cases relating to women and children. She is on the internal complaints committee of MNCs apart from engaging in conducting workshops on the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 (the Act).</p> <p>In her 22 years of litigation practice, Ms Khair has done several cases (pro bono) for less privileged women in the areas of seeking maintenance/dowry harassment/divorce cases. She was associated with IFSHA (Institute for Support, Healing & Aware-ness) dealing with gender and sexuality issues and also helped fight cases for destitute women and children who came there.</p> <p>She was invited to give a guest lecture on “Addressing gender-based violence with special reference to sexual harassment at workplace” at the School of Law. The lecture was conducted on 15th September 2021 from 11:30am-12:30pm on MS-Teams.</p> <p>Key Takeaways:</p> <ul style="list-style-type: none"> • Meaning of Sexual Harassment at Workplace • Evolution of the jurisprudence on protection against sexual harassment • Basics of the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 (“POSH Act”) • Practical challenges in implementation of the POSH Act • Discussion based on real life examples of sexual harassment
WORKSHOP PICTURE(S)	

ACTIVITY 4

GUEST LECTURE TITLE	Legal Education in Contemporary Time by Prof. Dr. Srikrishna Deva Rao
ORGANIZED BY	Prof. Dr. Manjula Batra, Ms. Shiksha Dahiya
WORKSHOP DATE	Sep 16, 2021
WORKSHOP SNIPPET	<p>Professor Dr. Srikrishna Deva Rao is an eminent teacher and scholar in criminal law and access to justice. Prof. Rao is presently serving as the Vice-Chancellor of National Law University, Delhi. Prof. Rao has been a Fulbright scholar in the year 2018. He was invited to be a Visiting Fellow at the University of Washington, Seattle in 2012 and again in 2013 at School of Oriental & African Studies, SOAS, London.</p> <p>The Supreme Court of India borrowed few of his ideas and observations on custodial deaths in the landmark, D.K. Basu case in 1997. Prof. Rao has also received the highest award in the field of Criminology “Kumarappa - Reckless Award” for his outstanding contribution in criminal justice education in India by the Indian Society of Criminology (ISC), Chennai in February 2020.</p> <p>Key Takeaways:</p> <ul style="list-style-type: none"> • Basics of Legal Education in India • Evolution of legal education and the role of the state • Methods of teaching law • Experiential Learning and Clinical Legal Education • Challenges in the life of a law school students • Insights on judgment reading and interpretation
WORKSHOP PICTURE(S)	

DEPARTMENT OF CSE

Department of CSE organized various sessions during induction programs, which included mentoring session, introduction to various specializations and HoD's address. The details of the sessions are as follows:

1. Introduction to cloud computing specialization

Session Speakers:

1. Ms. Purna Singal (Faculty CSE)
2. Mr. Darshan Jain (Student BTech CSE)
3. Mr. Chaitanya Malik (Student BTech CSE)

Session Coordinator: Ms. Purna Singal (Faculty CSE)

Date: 08/09/2021

Student Coordinators:

1. Mr. Darshan Jain (18CSU052)
2. Mr. Chaitanya Malik (18CSU056)

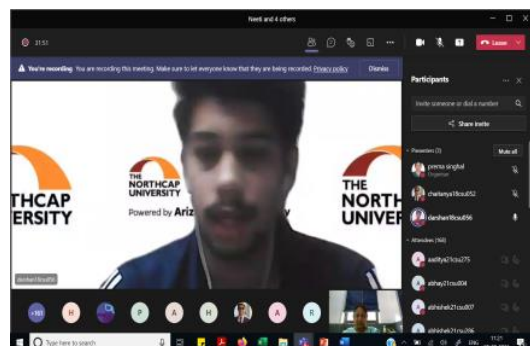
No. of Students: 177 Students attended the session.

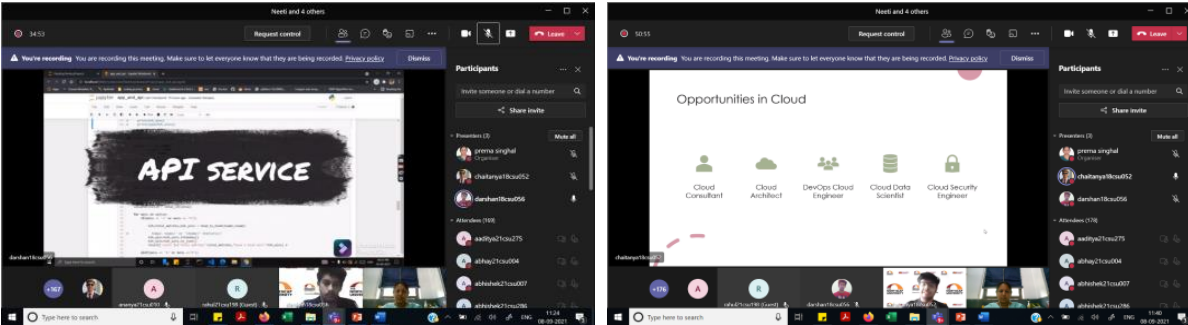
The Departmental Activity 3 of Induction Program for CSE department was conducted on 08 Sept. 2021 from 11:00 AM to 12:00 PM. The session detailed the cloud computing specialization at the NorthCap University and project showcase by the students. Ms. Purna Singal, lead for the cloud computing specialization shared the program electives, career opportunities, academic collaborations with the first-year students. Darshan Jain and Chaitanya Malik displayed their project, experiences @NCU and guided the students.

Link for Recorded Session:

https://ncugurugram-my.sharepoint.com/:v:/g/personal/prernasinghal_cse_ncuindia_edu/ET7wSRHrGpZGq80qntPOOrIBFnGAZQYnf1qouRKptf_1AQ

Images of the Session





2. Gaming AR VR: Specialization

Department of CSE , NCU organised an Specialization Awareness program where , Over 200 students attended this program. The students were address by Ms. Nisha Arya (specialization Lead , Gaming AR VR) and Mr. Amit Shekand Chief Technology Officer (Vyomix Interactive) | Virtual Production | Game Developer.

Objectives: The purpose the awareness program is to Introduce the students of the Specialization Gaming AR VR , courses , technology , scope and learning , Industry Insight opportunities growth. Over 200 studets attended this program .

Expected Outcomes:

Learning and educate about the courses BCA

- By the end of this course, student will be able to
- Understand animation, principles of animation, keyframing and their features.
- Develop game ready animation with cinematic character setup, rigging, basic lighting and rendering with 3D Studio MAX
- Create 2D & 3D games independently using tools like Unity 3D
- Build strong coding foundation in C#
- Describe the Production Workflow from 3Ds Max to Unity.

Learning and educate about the courses BCA

- Creating and Developing Game Concept Designing to Deployment.
- 2D & 3D Asset Creation for Games
- UI & UX Design for all platforms
- Prototype and complete original Games/Application /Simulations for multiple platforms AR, VR ,XR.
- Game Development for cross platform from iOS Android Cross-Platform Games.

Resource person:



Mr. Amit Sheokand
Chief Technology Officer (Vyomix Interactive) | Virtual Production | Game Developer

VENUE AND SCHEDULE

Venu – Online live event on Microsoft Teams
Schedule – 9th September 2021, 10am to 11am

Glimpses: This was an online Event

A screenshot of a Microsoft Teams meeting interface. The main window displays two presentation slides. The top slide is titled "Awareness on emerging Technologies: Game Tech, AR/VR" and features the NorthCap University logo and the names of the presenters, Mr. Mika Arya and Mr. Amit Sheokand. The second slide is titled "Opportunity waiting ahead ..." and contains a diagram of the "I=Variable" model, which branches into VR (Virtual Reality), MR (Mixed Reality), and AR (Augmented Reality). Below the diagram are logos for various VR/AR devices and platforms. The bottom portion of the screenshot shows a slide titled "Programming for Games" with a Unity logo and a list of highlights: "Learn C#", "Game development cycle", "Game loop", "Intro to 3D graphics", and "Building and shipping your own game". The slide also includes the NorthCap University logo and the URL www.ncuindia.edu.

3. Data Science and AI ML specializations

Session Speakers:

1. Dr. Rita Chhikara (Associate Professor, CSE and Lead-Data Science)
2. Dr. Srishti Sharma (Assistant Professor, CSE and Lead- AI and ML)

Student Coordinators: Simran Dhameja(20CSU110)

No. of Students: 124 Students attended the session.

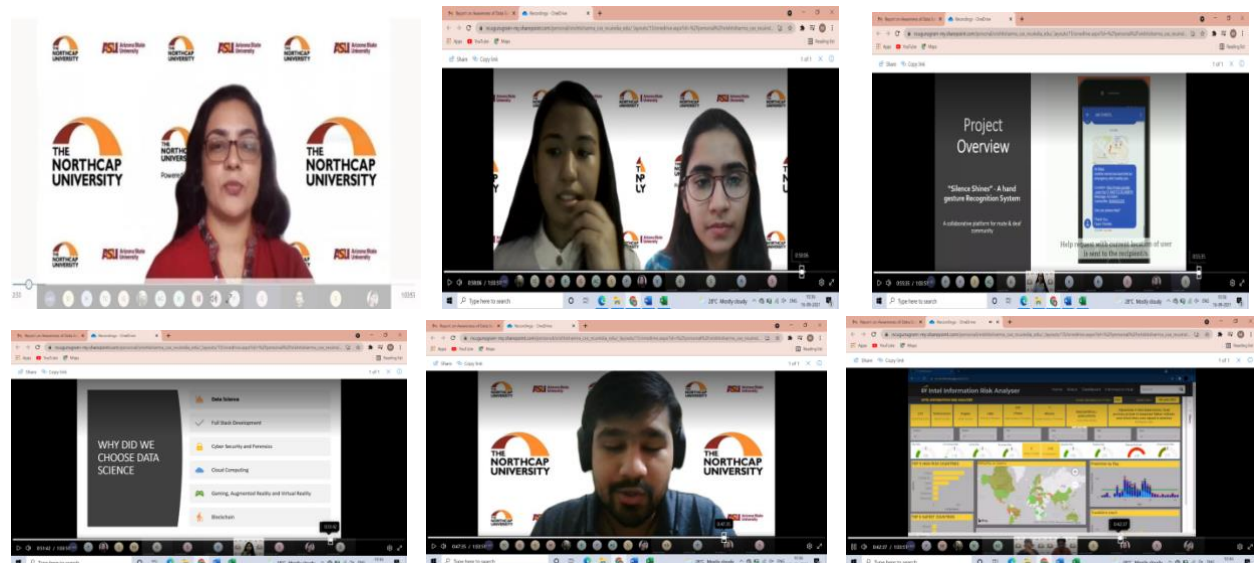
This online session was conducted on Sept 14, 2021 from 12-1 pm. A total of 124 students from first year attended this session. This session was conducted to apprise the students about Data science and AI/ML specializations, their curriculum and the experiential teaching learning pedagogy adopted at NCU for the same. The session began by the specialization leads addressing the students. In this session, the students also got an opportunity to interact with 2-Runners up of prestigious EY GDS Hackpins 2.0-Kashish(18CSU106), Kushagra Sharma(18CSU113), Kushagra Bhatnagar(18CSU114).

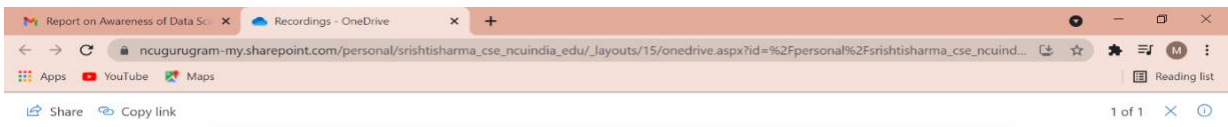
Furthermore, the students also interacted with Vaibhav Saini(18CSU225), who is placed at Amazon followed by interaction with Microsoft Imagine Cup 2020 finalists- Rupali Taneja(18CSU182), Saumya Achantani(18CSU194), Saumya Gupta(18CSU195). The students also interacted with Alibaba Global Cloud AI Challenge 2020 Innovation Award Winners – Sachi Chandna(18CSU185), Rushika Shreshtha(18CSU183). The session was very interactive and informative. All speakers contributed their best and made every effort to apprise the students about Data science and AI/ML specializations

Link for Recorded Session:

[Recordings - OneDrive \(sharepoint.com\)](#)

Images of the Session:





4. Full Stack specialization

Session Speakers:

1. Ms. Perna Singal (Faculty CSE)
2. Ms. Muskaan Arora (Student BTech CSE)
3. Mr. Paras Sehgal (Student BTech CSE)
4. Mr. Dev Kumar (Student BTech CSE)

Session Coordinator: Ms. Perna Singal (Faculty CSE)

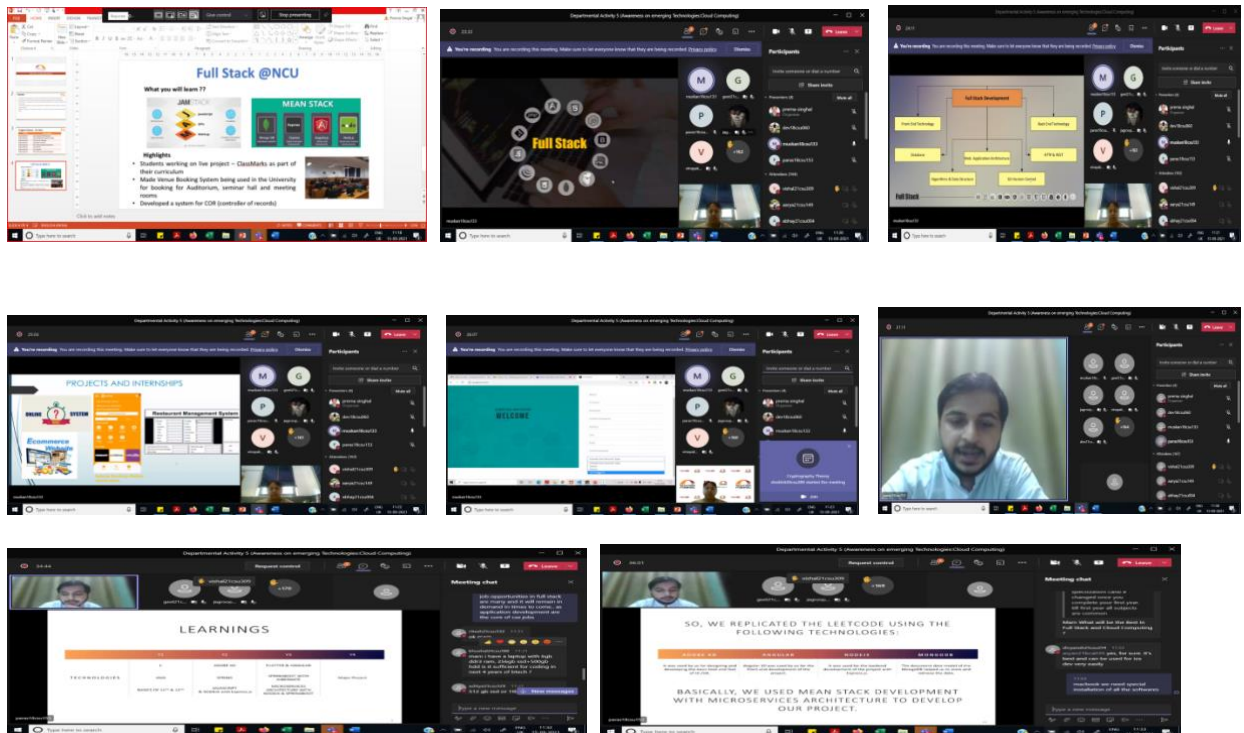
Student Coordinators:

1. Ms. Muskaan Arora (18CSU133)
2. Mr. Paras Sehgal (18CSU153)
3. Mr. Dev Kumar (18CSU060)

No. of Students: 166 Students attended the session.

The Departmental Activity 3 of Induction Program for CSE department was conducted on 15 Sept. 2021 from 11:00 AM to 12:00 PM. The session detailed the Full Stack specialization at the NorthCap University and project showcase by the students. Ms. Perna Singal, lead for the Full Stack specialization shared the program electives, career opportunities, academic collaborations with the first-year students. Muskaan, Paras and Dev displayed their project, experiences @NCU and guided the students.

Images of the Session:



5. Awareness on emerging Technologies: Cyber Security & Forensics, Blockchain

Session Speakers:

1. Dr. Prachi (Lead, Cyber Security & Forensics Specialization, CSE)
2. Dr. Pooja Sapra (Faculty, CSE)
3. Mr. Yugansh, Ms. Vibhuti Dhaiya, Ms. Sargam, Ms. Sanya (Final year student, CSE)

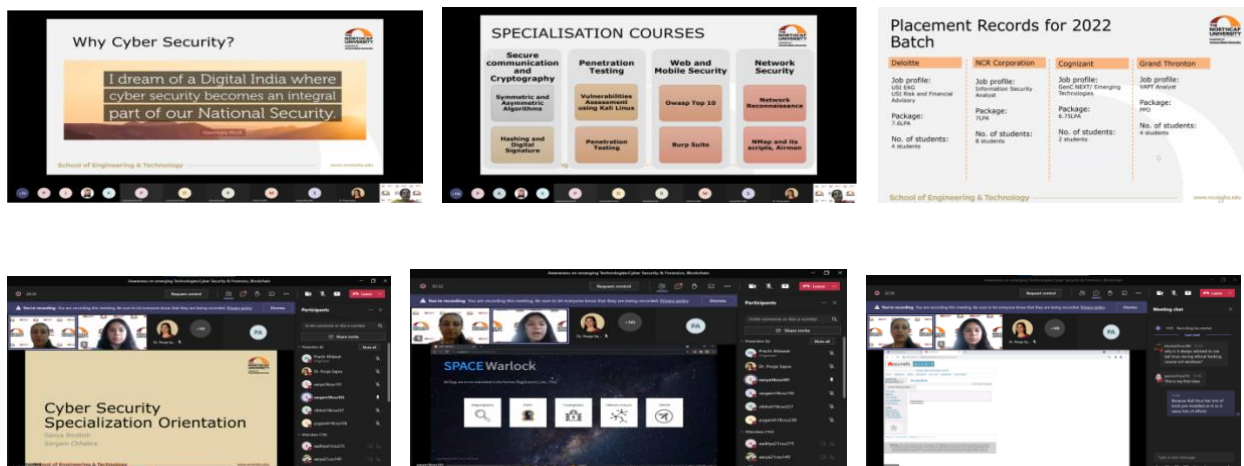
No. of Students: 141 Students attended the session.

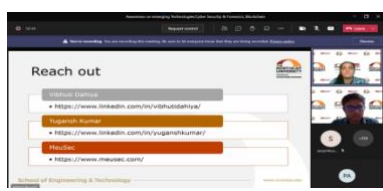
The first online session of Induction Program was conducted on 16 Sept. 2021 from 11:00 AM to 12:00 PM. The session was very interactive and informative. All speakers contributed to their best and made every effort to motivate students towards scope of Cyber Security and Forensics Specialization and Blockchain specialization of Computer Science. Dr. Prachi started the session with importance of Cyber Security and Forensics, course curriculum, extra-curriculum activities, collaborations, industry linkages. Thereafter, final year students shared their journey and success stories in Cyber Security and Forensics Specialization. Dr. Pooja Sapra shared valuable insights about Blockchain, scope of Blockchain in future, relation between Blockchain and Cyber Security. She shared how blockchain is going to change all primary industry sectors.

Link for Recorded Session:

https://ncugurugram-my.sharepoint.com/personal/prachi_cse_ncuindia_edu/_layouts/15/onedrive.aspx?id=%2Fpersonal%2Fprachi%2FDocuments%2FRecordings%2FAwareness%20on%20emerging%20Technologies%2FCyber%20Security%20%26%20Forensics%2C%20Blockchain%2D20210916%5F110518%2DMeeting%20Recording%2Emp4&parent=%2Fpersonal%2Fprachi%2FDocuments%2FRecordings&originalPath=aHR0cHM6Ly9uY3VndXJlZ3JhbS1teS5zaGFyZXBvaW50LmNvbS86djovZy9wZXJzb25hcC9wcmFjaGlFyY3NlX25jdWluZGlhX2VkdS9FWER2a0U5U3JleERnajFMVGgzTE9Gd0JWMIzadUN5ZE9OSnZpdTZsd0VJa3h3P3J0aW11PVA2anV5ZUI0MlVn

Images of the Session:






Department of EECE

Induction Program for Academic Year 2021-22

Week 2 (6.9.2021-10.9.2021)



	1	2	3	4	5	6	7	8
	8:00 - 9:00	9:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	13:00 - 14:00	14:00 - 15:00	15:00 - 16:00
MON			Master Class Series : Eminent Speaker	Mentoring	Computer Skills Garima Sharma		Master Class Series : Eminent Speaker	Communication Skills Shrutika
TUE			Master Class Series : Eminent Speaker	Communication Skills Shrutika	Departmental Activity 3 Anjali		Master Class Series : Eminent Speaker	Computer Skills Garima Sharma
WED			Master Class Series : Eminent Speaker	Departmental Activity 2 Anjali	Communication Skills Shrutika		Master Class Series : Eminent Speaker	Computer Skills Garima Sharma
THU			Master Class Series : Eminent Speaker	Departmental Activity 1 Sandeep	Communication Skills Shrutika		Master Class Series : Eminent Speaker	Computer Skills Garima Sharma
FRI			Club & Society Activity				Club & Society Activity	
SAT								

6.9.2021

11:00 to 12:00 noon

Session: Mentoring

Dr. Anjali Garg took a session on Mentoring wherein she explained about GP form, Community services, Counselling form, its importance and the procedure of filling it. She also explained how this is helpful in overall development of any student.

Faculty: Dr. Anjali Garg



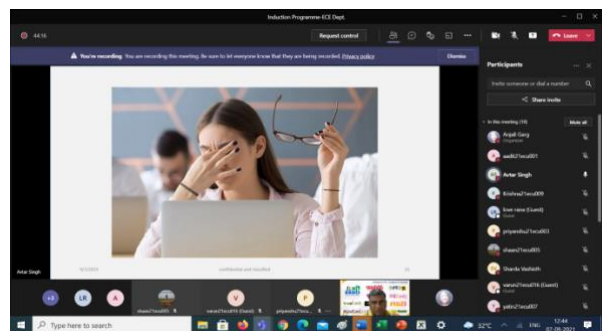
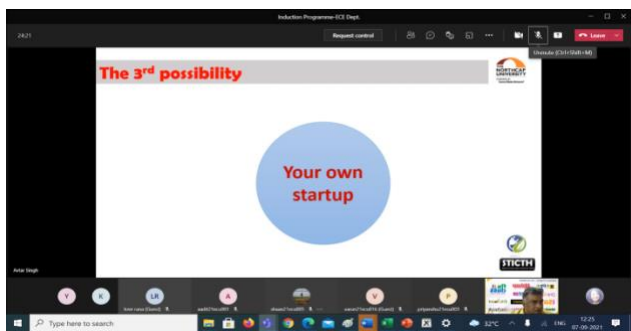
7.9.2021

12:00 TO 1:00PM

Session: Innovation and start up opportunities in Electronics Engineering

Mr. Avtar Singh, Director – Start-up & Incubation Centre, NCU shared with students the meaning of Innovation, why it is important, what start ups are required and how it will enhance the career's. He also presented various startup opportunities in Electronics field which may be helpful to the students to move in this direction.

Faculty: Mr. Avtar Singh, Director – Start-up & Incubation Centre, NCU



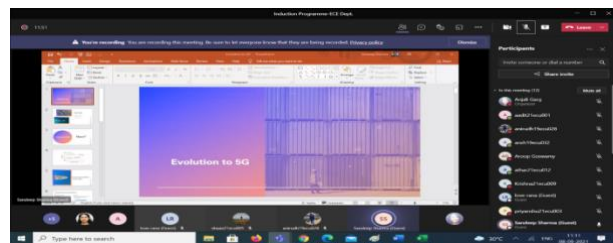
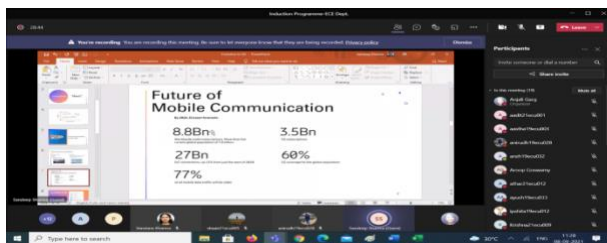
8.9.2021

11:00 to 12:00 noon

Session: Evolution of Telecommunications to 5G

Mr. Sandeep Sharma shared his experience about 5G as an Industry expert with the students. He also explained the communication industry, its future, how it will be expanding in near future, what all needs to be done to get into this area, what is future of this area. This session was open for 3rd and 2nd year ECE students also. Students liked this session to understand the industry perspective.

Speaker: Mr. Sandeep Sharma, Head of Network Radio Solutions-BO Ericsson





9.9.2021


11:00 to 12:00 noon

Session: Feedback session and suggestions

Dr. Anjali Garg, Mentor of 2021-25 batch ECE discussed with students about their experience in NCU, about anything they wish to be added in the Induction Programme, any good and areas where we can work for the betterment of students. The students shared that everything is good and suggested to add the details of each club/Societies so that can become part of them based on their interest.

Speaker: Dr. Anjali Garg

Week 3 (13.9.2021-17.9.2021)


Department of Applied Science ECE
The NorthCap University Sector 23 A Gurugram w.e.f. 13-09-2021

	1 8:00 - 9:00	2 9:00 - 10:00	3 10:00 - 11:00	4 11:00 - 12:00	5 12:00 - 13:00	6 13:00 - 14:00	7 14:00 - 15:00	8 15:00 - 16:00
MON			Master Class Series : Eminent Speaker	Mentoring	Computer Skills Garima Sharma		Master Class Series : Eminent Speaker	Communication Skills Shrutimita
TUE			Master Class Series : Eminent Speaker	Communication Skills Shrutimita	Departmental Activity 3 Khushi		Master Class Series : Eminent Speaker	Computer Skills Garima Sharma
WED			Master Class Series : Eminent Speaker	Departmental Activity 2 Anjali	Communication Skills Shrutimita		Master Class Series : Eminent Speaker	Computer Skills Garima Sharma
THU			Master Class Series : Eminent Speaker	Departmental Activity 1 Student	Communication Skills Shrutimita		Master Class Series : Eminent Speaker	Computer Skills Garima Sharma
FRI			Club & Society Activity				Club & Society Activity	
SAT			ASU Collobration	Momentum			Intro. of online event & Community Service	Diagonastic Test

13.9.2021

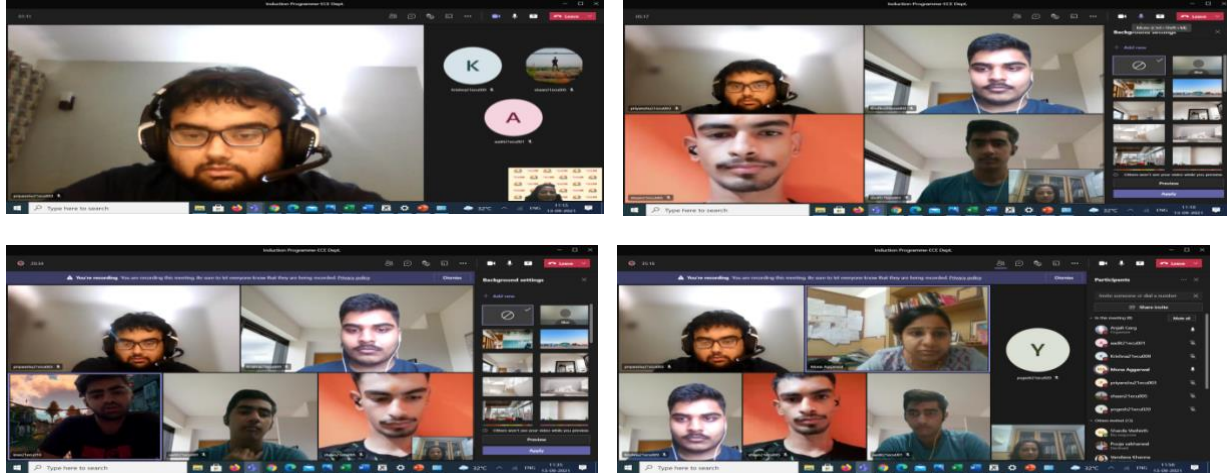
11:00 to 12:00 noon

Session: Club and Societies of EECE

Dr. Anjali Garg, as requested by students to share more information about clubs and societies of EECE, shared all the details with the students, sharing the activities each club/society conduct so

that students can understand them and can choose appropriate club/society to be part of it and to pursue their interest.

Speaker: Dr. Anjali Garg



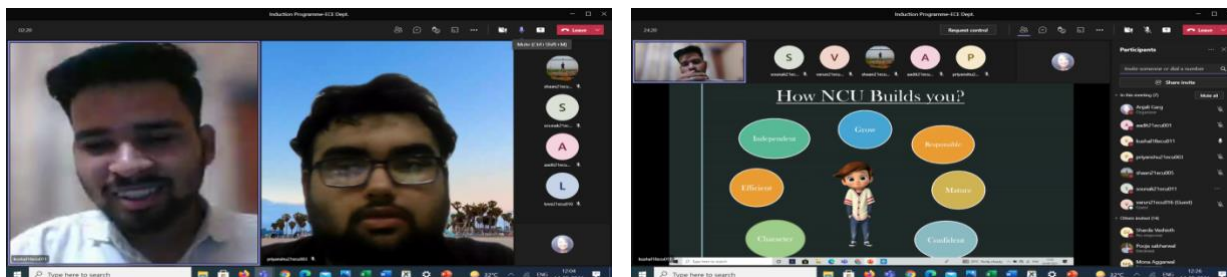
14.9.2021

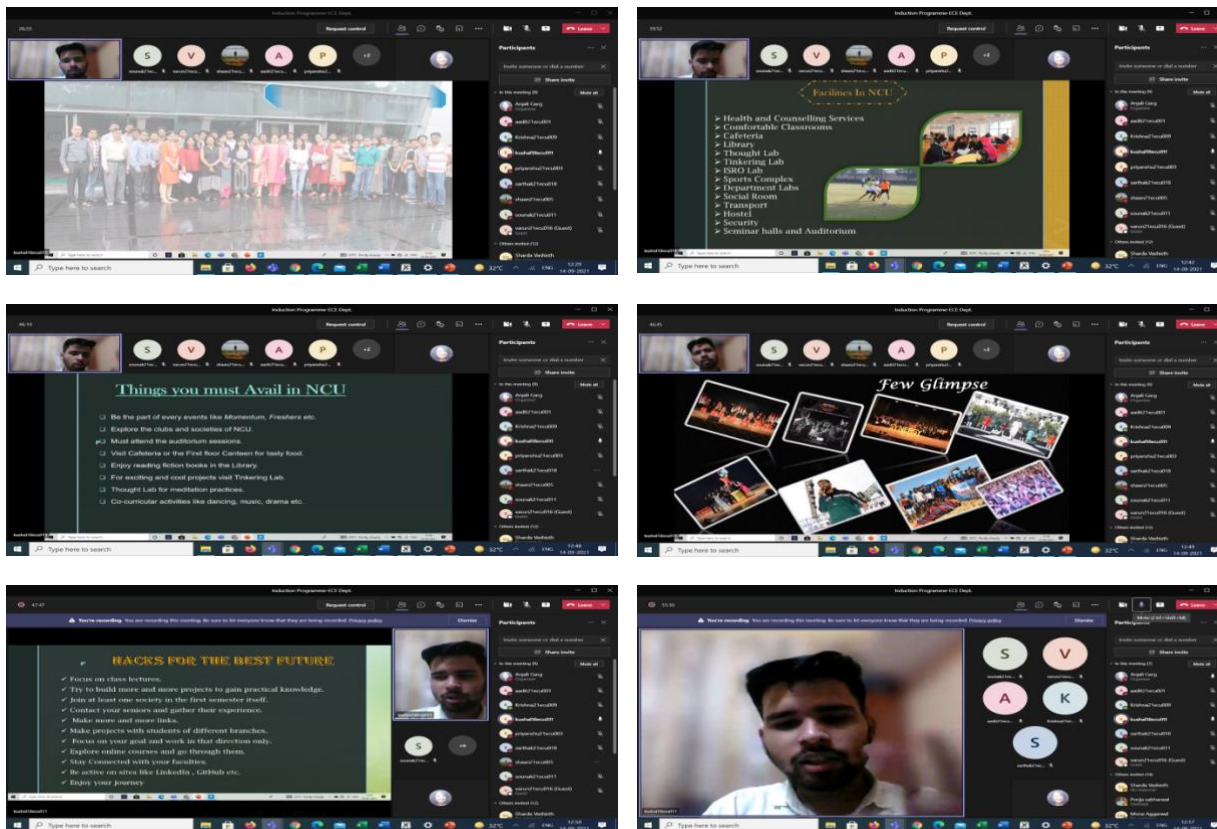
12:00 to 1:00 pm

Session: Flourishing Blossom life at NCU

Mr. Kushal, Final year ECE student shared his experience as ECE student of NCU, what all facilities are there in the department, how best you can explore them, how NCU helps you to build your future, the best practices and how his journey as student is so good and explained his growth from 1st year till date.

Speaker: Kushal Jindal, ECE Final year student





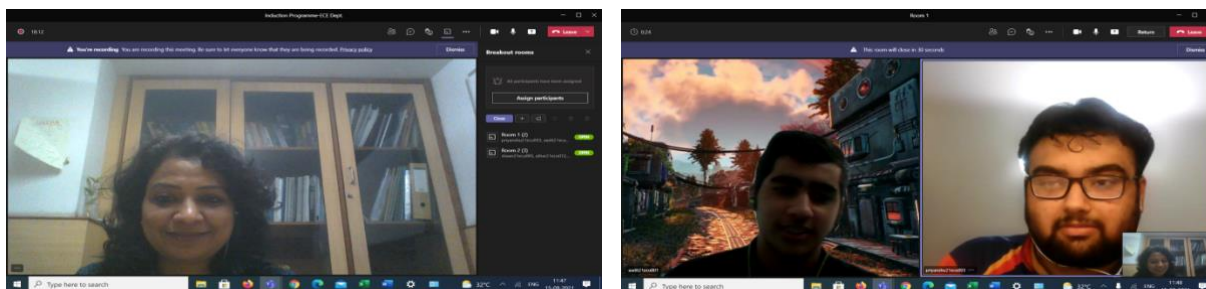
15.9.2021

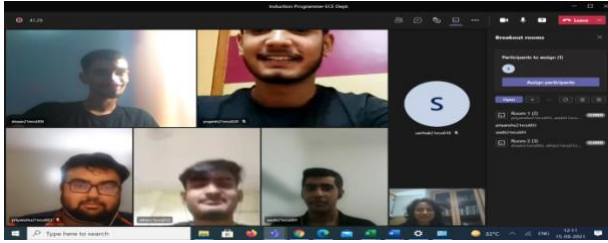
11:00 to 12:00 noon

Session: connecting each other creatively

Dr. Anjali Garg as Mentor played a game where in she made no. of rooms in the teams so that students in small groups can converse with each other, know and understand the good points of each other and share the areas where the other can work upon. Students found it very interesting and helped them to build a good bounding within the class.

Speaker: Dr. Anjali Garg





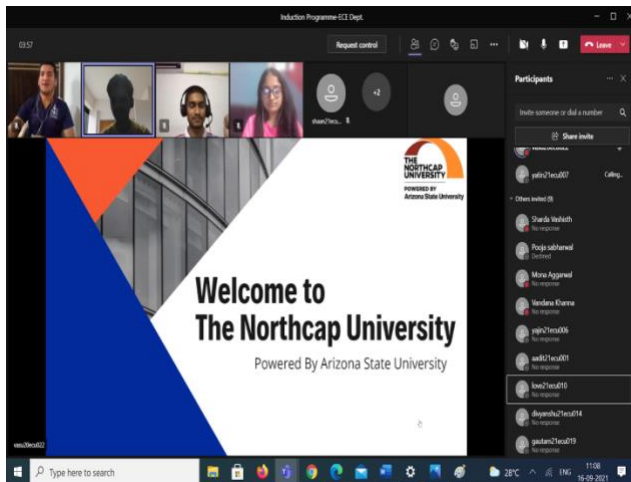
16.9.2021

11:00 to 12:00 noon

Session: Voyage to ECE anvision

2nd year students presented their learnings in their first year of ECE, NCU and shared what all new students should take care in first year to get fruitful outcome from it. They also helped students to understand specialization meaning, how to choose, all about hackathon and its importance, They also shared the project based learning importance in long term.

Speaker: Vasu , Dinesh, Riya, Dhruv, ECE 2nd year students



Week 4 (20.9.2021-24.9.2021)

	1 8:00 - 9:00	2 9:00 - 10:00	3 10:00 - 11:00	4 11:00 - 12:00	5 12:00 - 13:00	6 13:00 - 14:00	7 14:00 - 15:00	8 15:00 - 16:00	9 16:00 - 17:00	10 17:00 - 18:00
MON			Master Class Series Eminent Speaker	Canvas Module 11.30-12.30			Master Class Series Eminent Speaker 2.00-3.30	Oncampus Activity		Dean List Session
TUE			Master Class Series Eminent Speaker	General Aptitude Test			Master Class Series Eminent Speaker	Orientation Video-I OR Oncampus Activity		
WED			Master Class Series Eminent Speaker	Community Service			Master Class Series Eminent Speaker	Orientation Video-II OR Oncampus Activity		
THU			Master Class Series Eminent Speaker	NCU-ASU Collobration			Master Class Series Eminent Speaker	Know More About ASU OR Oncampus Activity		
FRI			Master Class Series Eminent Speaker	Art of Living			Master Class Series Eminent Speaker	Alumni Session OR Oncampus Activity		

20.9.2021

3:00 to 4:00 pm

Session: Time table understanding and credit calculation

Dr. Pooja showcased the students the tentative table, how to read it, meaning of various terminology, actual credit calculation, SGPA and CGPA understanding etc

Speaker: Dr. Pooja Sabherwal



21.9.2021

3:00 to 4:00 pm

Session: BEEE canvas and its understanding

Dr. Anjali Garg opened the BEEE (1st semester course) canvas, showed them various sections, explained them various modules, how to submit assignment etc

Speaker: Dr. Anjali Garg



22.9.2021

3:00 to 4:00 pm

Session: Savings & Investment

The session was conducted by Dr Mona Aggarwal, assistant professor, EECE deptt. She explained to the students about the importance of saving money. She discussed the ways by which they can earn as well as save money. Further some investment strategies were discussed. She explained the power of compounding with the help of videos and examples. Students promised to save a part of their pocket money and were really excited the understand the effect of compounding.

Speaker: Dr. Mona Agarwal



The Efforts to Save and Invest



Do you have a habit of saving or investing?

Saving money is the process of putting cold, hard cash aside that can be accessed in a very short amount of time.

This includes savings accounts, piggy banks and National Savings Certificates (NSCs)



Write down the things you can do to save some money



Your education and skills are the investment you make for your future.

List down the skills you have in you that make you different from others.

Are there any skills you want to learn? List them

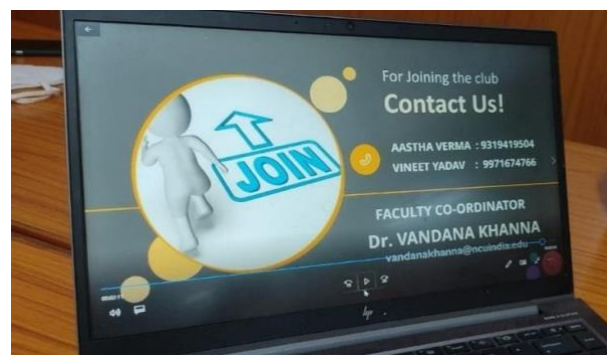
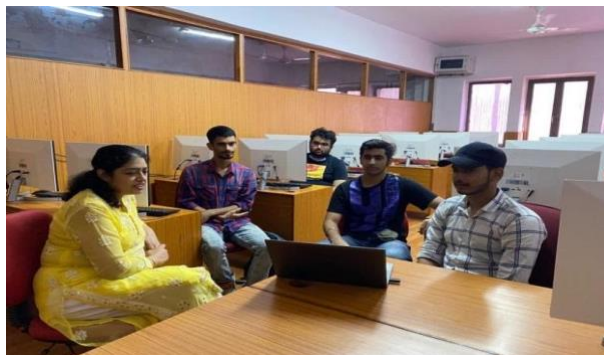


23.9.2021

3:00 to 4:00 pm

Session: IEI society, Coding Ninjas MoU and Chetna Club'

A session was taken by Dr. Vandana Khanna with BTech ECE students, where she discussed about the chapter of IEI professional society, Chetna club and the Coding Ninjas MoU- all she is handling in co-curricular activities in the department. She showed the videos and ppts of IEI society and Chetna club and explained the various technical events and community service activities conducted under these and shared the details for joining if the students were interested. Dr. Vandana also told the importance of coding skills for electronics engineer and also counselled them to master any one programming language in first two years of BTech degree, later they may concentrate on their specialization courses. She discussed about the MoU with Coding Ninjas and how they will be benefitted by it.



Week 5 (27.9.2021-30.9.2021)



Department of Applied Science

ECE

The NorthCap University Sector 23 A Gururgram w.e.f.27-09-2021

	1 8:00 - 9:00	2 9:00 - 10:00	3 10:00 - 11:00	4 11:00 - 12:00	5 12:00 - 13:00	6 13:00 - 14:00	7 14:00 - 15:00	8 15:00 - 16:00
MON			Master Class Series : Eminent Speaker	Art of Living			Master Class Series : Eminent Speaker	Club Activity
TUE			Master Class Series : Eminent Speaker	Departmental Activity			Master Class Series : Eminent Speaker	Society Activity
WED			Master Class Series : Eminent Speaker	ERP Registration			Master Class Series : Eminent Speaker	Online Games
THU			Master Class Series : Eminent Speaker	Orientation Video			Orientation Video	Closing Session Feedback
FRI								
SAT								

28.9.2021

11:00 to 12:00 noon

Session: The Power of an Idea

Mr. Avtar Singh addressed the students of 1st, 2nd and 3rd year ECE by sharing how effective can be to ideate, to plan and to implement. He also motivated students to work on each a every idea, check its feasibility, and try their best to design the best version of it. He also shared that one should continue working on improving the idea to get best out of it.

Speaker: Mr. Avtar Singh

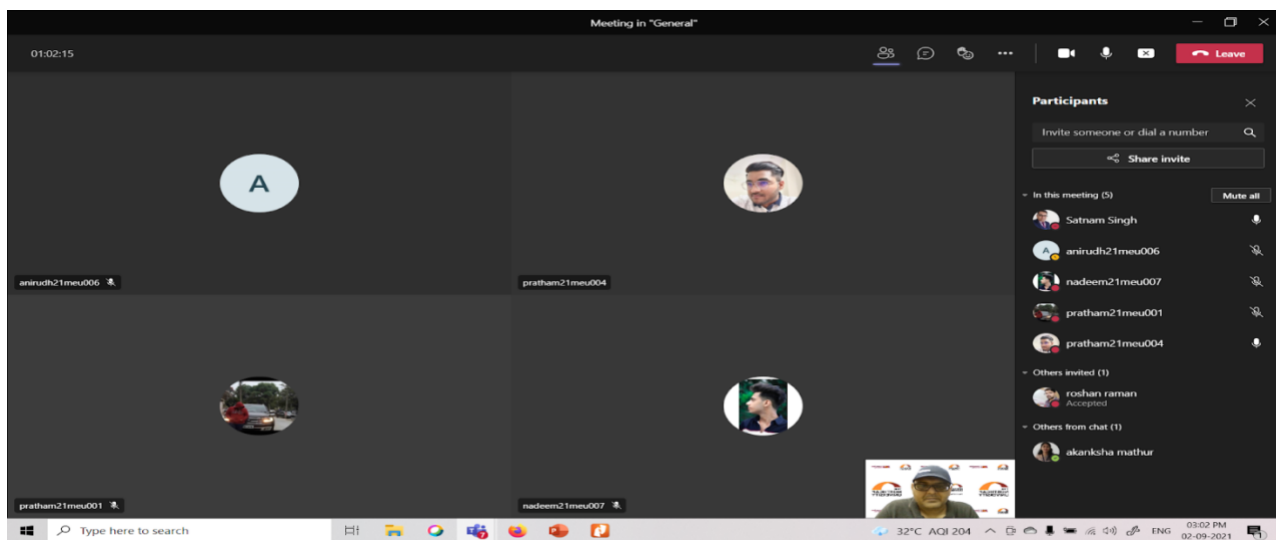


Annexure-E

Department of Mechanical Engineering

Induction Programme: Lecture on Innovations and Design Thinking (8th and 15th September)

A lecture on Innovations and Design Thinking was delivered to the newly admitted students. The students were made aware of the differences between Inventions and Innovations. A detailed lecture on design thinking focusing on the historical developments, applications and basic process. A case study was discussed which employed the design process to solve the various problems.



In the second week of induction programme, the students were made aware of CAD and 3D printing technologies. A training session on SolidWorks sketching and 3D modelling modules was provided. Applications of CAD and integration of CAD in the 3D printing processes were presented and students enjoyed the lecture.



Induction session on “Waste management: its challenges and advances” – Part1(6th September, 2021)

The session focused on waste and our ecosystem. The challenges related to waste management were highlighted with a special focus on Indian scenario. Dr. Akanksha Mathur was delivered the session on September 6, 2021



Visit to a modern workshop

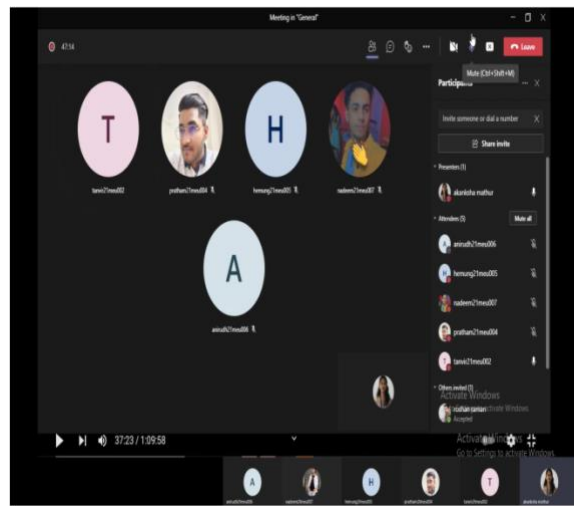
A Visit was organized by Department of Mechanical engineering for familiarization of the newly admitted students about a modern workshop at Prem Motors in Palam Vihar, Gurgaon. The students were briefed about complete process of the workshop management. It was followed by visit to each section of workshop where they learnt about the inventory management system , equipment and technologies used to service vehicles.



Induction session on “WM: its challenges and advances” –Part2 (13th

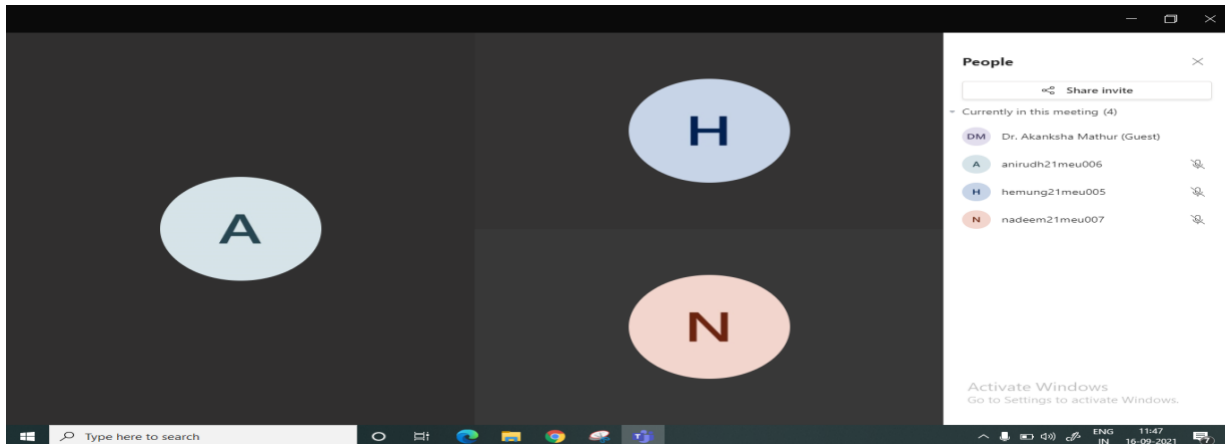
September, 2021)

A session on basic of solid waste management and advances with two case studies was delivered. The conversion of waste to energy, advanced technologies for managing waste were. This session was conducted by Dr. Akanksha on September 13, 2021. The session was appreciated by the students as they were sensitized and aware of challenges and new developments in WM.



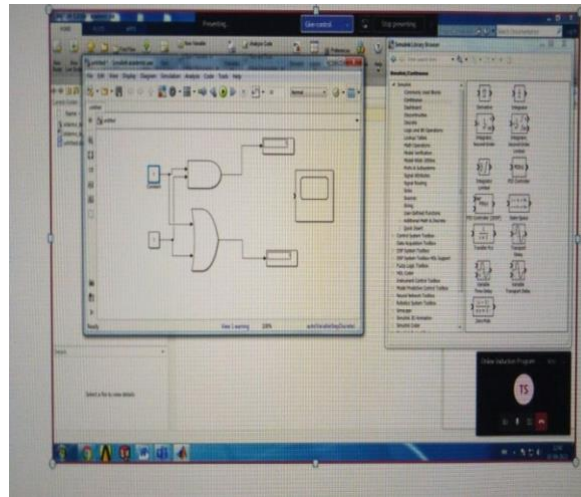
Orientation session on ERP, SPA registrations (16th September, 2021)

A session on ERP, SPA portal registrations and Course credit system was delivered to first year ME students by Dr. Akanksha MATHUR on 16 September 2021. The students were made to be familiarized with Canvas – NCU LMS also. It was ensured that all have registered and all their queries were answered by mentor.



Session on Introduction to Mechatronics and Robotics (7th & 14th September, 2021)

The department of mechanical Engineering organized a session on 7th and 14th September 2021 on Introduction to Mechatronics and Robotics for Mechanical Engineering students during the induction program. The speaker of the session was Mr. L.N. Joshi and Mr. Anmol Bhatia who briefed the students about the basics of Mechatronics and Robotics. The students were familiarized about the control systems, Introduction to MATLAB programming, Simulink module and the basic operations of Automation techniques. The Session was followed by the practical cases and examples which the students appreciated. The session was followed by a quiz conducted on the same topic and question answering session.



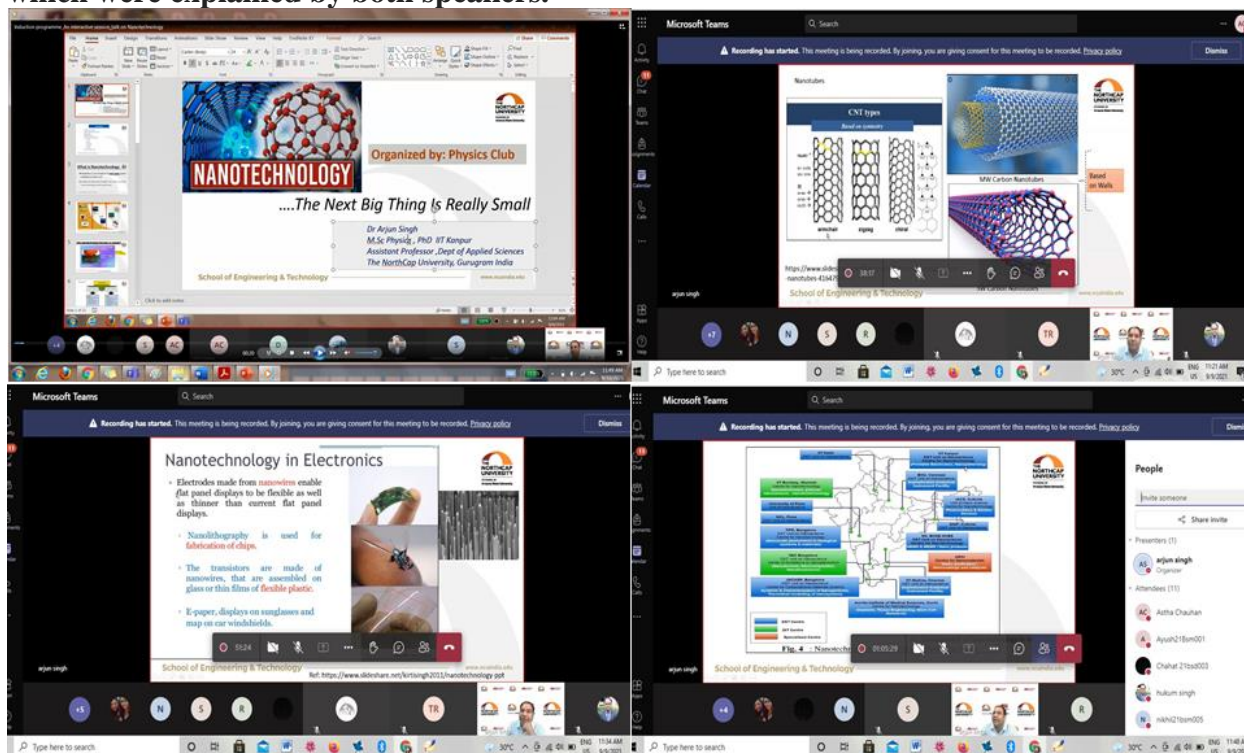
DEPARTMENT OF APPLIED SCIENCES Induction Program for Academic Year 2021-22

An interactive session/talk on Nanotechnology Dr Arjun Singh (Physics)

Dr Arjun Singh has conducted the session of the Induction program on 09.09.2021 entitled " An interactive session/talk on Nanotechnology. Dr Arjun Singh (Physics) " for newly admitted first year students in the department of applied sciences. The session was conducted with the talk on nanotechnology followed by a general query of students.

Dr. Arjun Singh explained about key concepts of nanotechnology in prospect of Physics, chemistry, Maths and data sciences. He discussed the use of nanotechnology such as health/medical areas, cosmetics, electronics and mobiles. He also tells about the current scenario of nanotechnology in India.

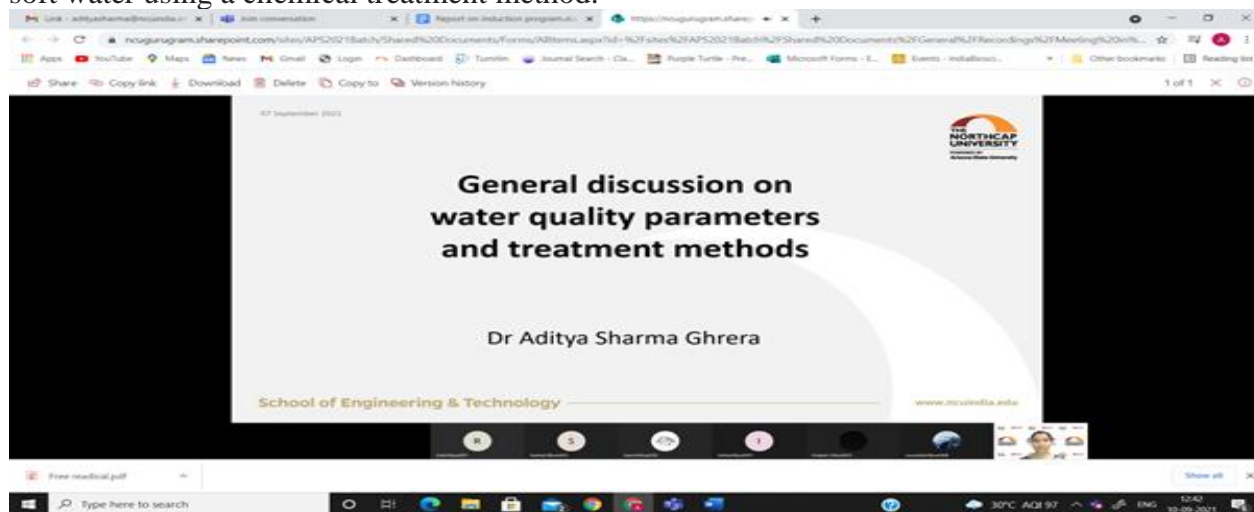
During the session, the speaker showed some nanotechnology-based products by different industries. In order to continue the session students have asked their queries and doubts which were explained by both speakers.



General discussion on water quality parameters and treatment methods

Dr Aditya Sharma (Chemistry)

Dr Aditya Sharma conducted the session of the Induction program on 07.09.2021 (12 to 1.00 PM) entitled " General discussion on water quality parameters and treatment methods" for newly admitted first year students in the department of applied sciences. She explained about the importance of good quality water, its characteristics, important water quality parameters and their variations as per the application (domestic, industrial and agricultural). She took specific examples of water hardness and explained the difference between soft and hard water with its permissible range. She explained the factors that make water hard and the technique to quantify the extent of hardness. Also a detailed discussion was made on converting the hard water into soft water using a chemical treatment method.



Introduction to Community Service

Dr Anshu Malhotra & Dr [Tejpal Singh Chundawat](#)

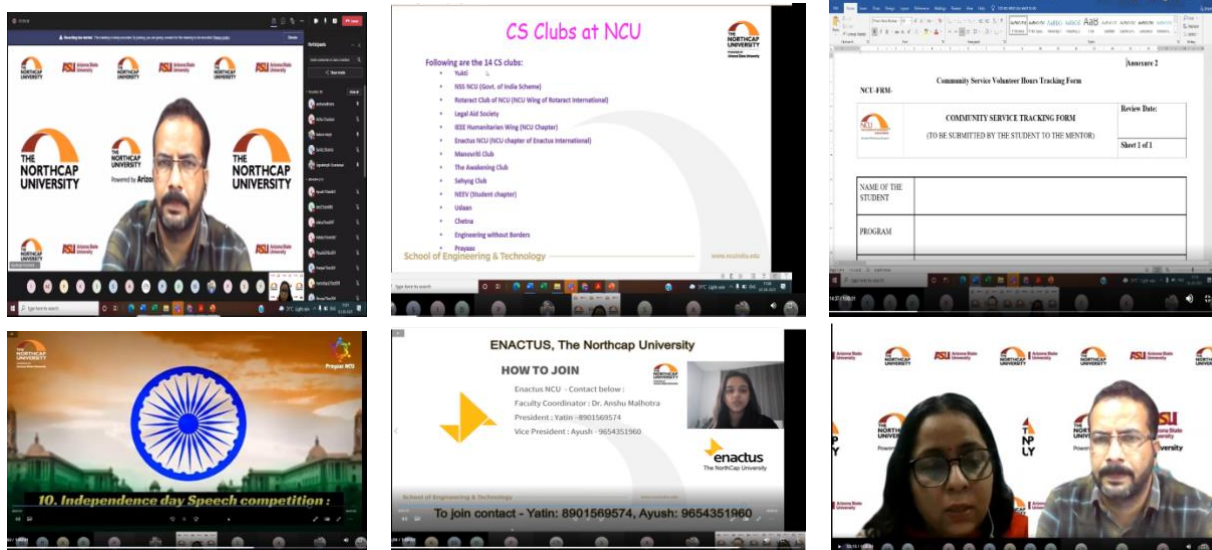
Dr Anshu Malhotra and Dr Tejpal Singh Chundawat has delivered a lecture in the second session of the Induction program on 03.09.2021 entitled "INTRODUCTION OF COMMUNITY SERVICES (CS)" for newly admitted first year students in the department of applied sciences. Dr Anshu explained the evaluation criteria and list of clubs and societies running in NCU with many of the activities for a holistic development of students.

Dr Tejpal has explained the CS form and its evaluation process for each of the students which is mandatory to all as per curriculum.

After completion of the lecture students have shared their past experience on various activities participated in community services.

During the session videos of some clubs/societies were shared with the students for registration and membership process.

In order to continue the session students have asked their queries and doubts which were explained by both speakers.



Departmental Activity

A walk through mathematics!- Dr. Pooja Punyani

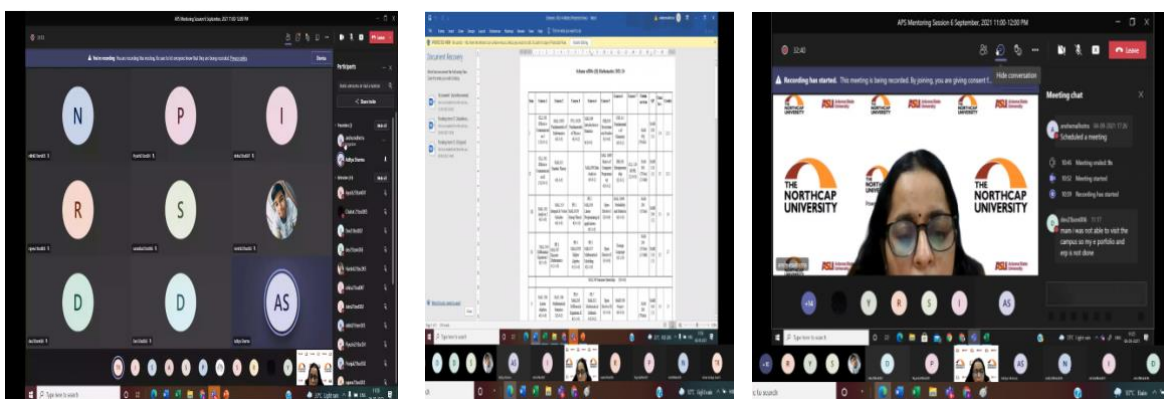
Departmental activity was facilitated for all the students of BSc (H) Maths/ Physics/Chemistry and Data Science students by Dr. Pooja Punyani. Two out of nine series, one hours of maths, was shown and discussed, that took students gradually up to the fourth dimension. It was a journey from 2 D to 4 D. Mathematical vertigo was assured. For Dimension two, Hipparchus was the narrator showed that how to describe the position of any point on Earth with two numbers and and explains the stereographic projection : how to draw a map of the world. For Dimension three, M.C. Escher talks about the adventures of two-dimensional creatures trying to imagine what three-dimensional objects look like. Discussion on its understanding was done thereafter.



Mentoring Session

Dr Anshu & Dr Aditya

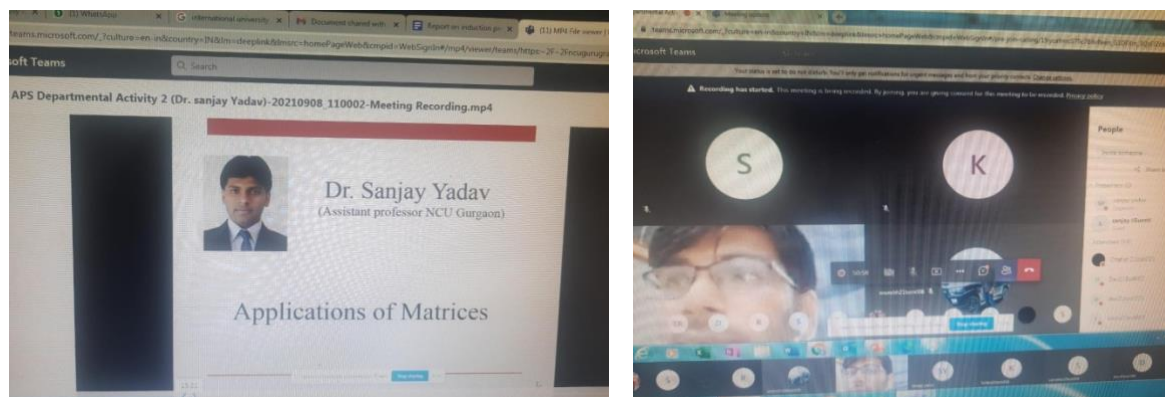
Mentoring session was conducted for all the students of BSc (H) Maths/ Physics/Chemistry and Data Science students by Dr. Anshu and Dr. Aditya. The details of all the clubs and societies were explained. Students were asked to confirm the registration process of ERP, Canvas and E-portfolio. Details on the registration process were shared to the students who were not present offline. The general queries of the students were also answered. Schedule and procedure of induction program were also explained.



Talk by expert

Dr Sanjay Yadav

Dr. Sanjay Yadav has delivered a lecture in the Departmental activity (expert talk) of the Induction program on 08.09.2021 entitled "Application of matrices" for newly admitted first year students in the department of applied sciences. Dr. Yadav explained the real life application of matrices. Why and how matrices are an essential part of everyone's daily life.

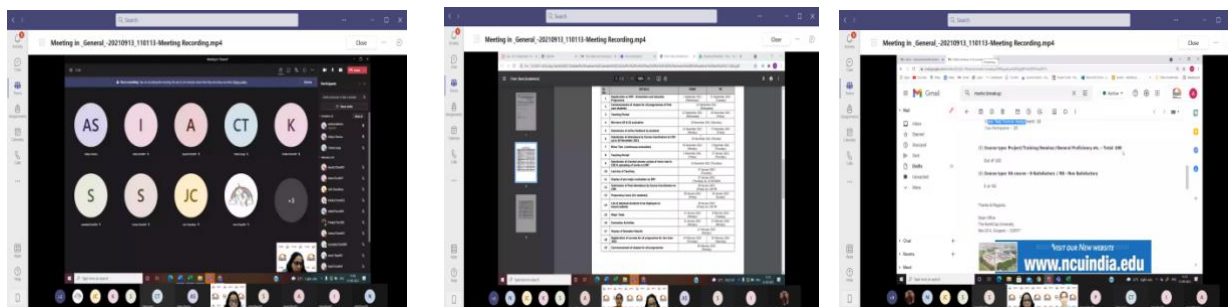


Mentoring Session

Dr Anshu & Dr Aditya & Dr. Chetna

Mentoring session was conducted for all the students of BSc (H) Maths/ Physics/Chemistry and Data Science students by Dr. Anshu , Dr. Aditya and Dr. Chetna. Students were asked if still any one is facing difficulty in the registration process of ERP, Canvas and E-portfolio. Academic calendars were explained and all the schedules of July 2021 like major, minor exam, holidays and all the other important dates in the semester were discussed with students. Course structure was explained and discussed in detail. Course structure like theory +Practical, Theory (without lab), only lab and practical course , project based course were discussed thoroughly with mark scheme. At the end general queries of the students were also answered. Schedule, procedure and importance of the induction program were also explained once again.

https://teams.microsoft.com/l/meetup-join/19%3aycafmrS75c7BRvReen_G1DFXm_3QzFJZobEDRL7Gmk1%40thread.tacv2/1630756569380?context=%7b%22Tid%22%3a%22b868613f-a153-49ec-a06e-990b12559e5f%22%2c%22Oid%22%3a%22962d82fa-37b7-4899-a8df-2192e6074167%22%7d



Talk by expert

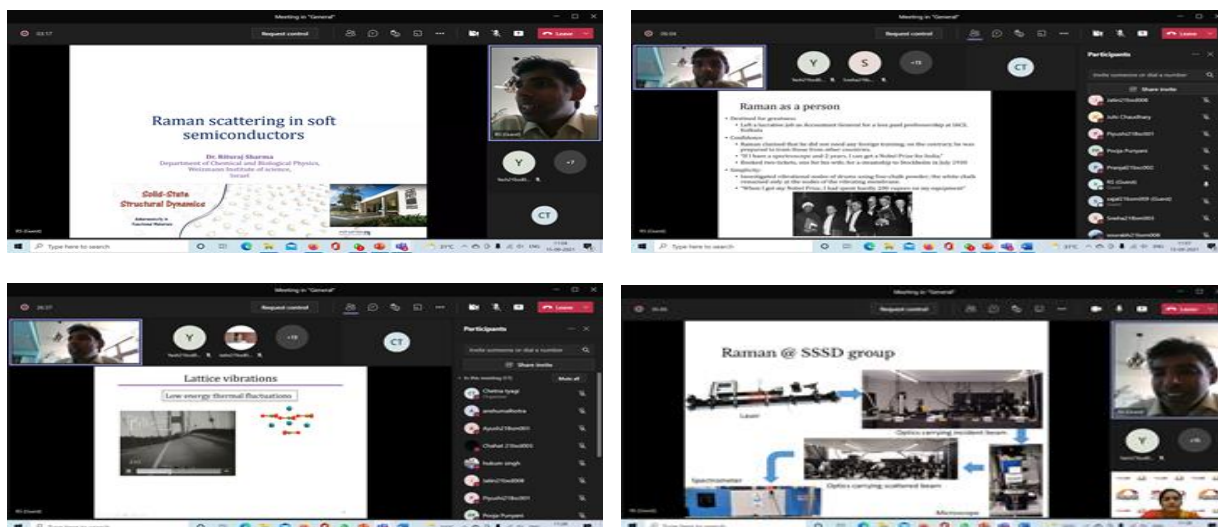
Dr Rituraj Sharma

Dr. Rituraj Sharma, Post Doctoral Fellow, Dept. of Chemical and Biological Physics, Weizmann Institute of Science, Israel, presented an extremely educational talk about science. He discussed life and inventions of renowned scientists like Sir C V Raman, Homi J.Bhabha, Michael Faraday, Alfred Bernhard Nobel. Dr. Sharma explained Raman effect and its applications. He also showed his own laboratory and explained the details of instruments, where their team worked for a year and half to set up Raman spectroscopy on their own. Dr. Sharma also gave future options for jobs

after B.Sc like Management Trainee Post/ Scientific positions in department of atomic energy (DAE).

Talk Link-

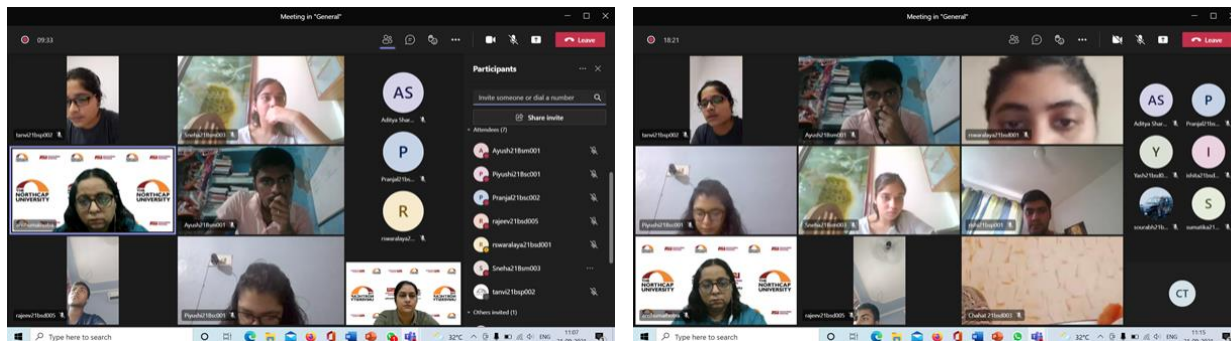
https://ncugurugram.sharepoint.com/sites/APS2021Batch/Shared%20Documents/General/Recordings/Research%20-%20Dr.%20Chetna%20Tyagi_20210915_053336.mp4?web=1



Mentoring Session

Dr Anshu & Dr Aditya & Dr. Chetna

Mentoring session was conducted for all the students of BSc (H) Maths/ Physics/Chemistry and Data Science students by Dr. Anshu , Dr. Aditya and Dr. Chetna. General aptitude test was conducted through canvas.

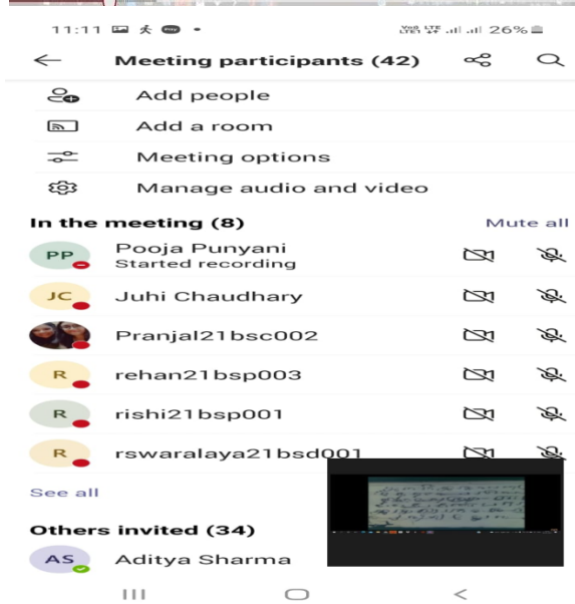
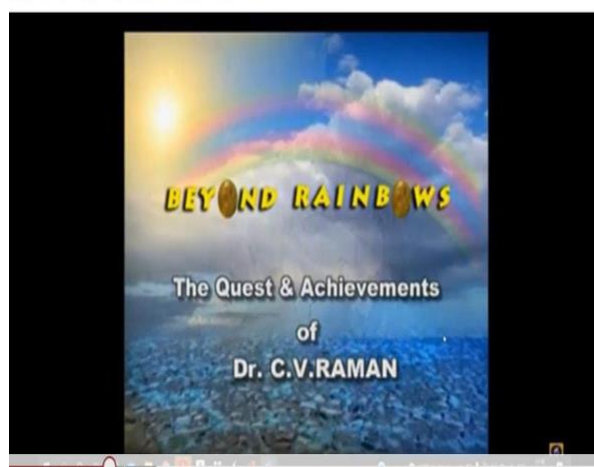


Departmental activity

Motivational documentary- The quest and achievement of Sir C.V. Raman.

Facilitated by - Dr. Pooja Punyani

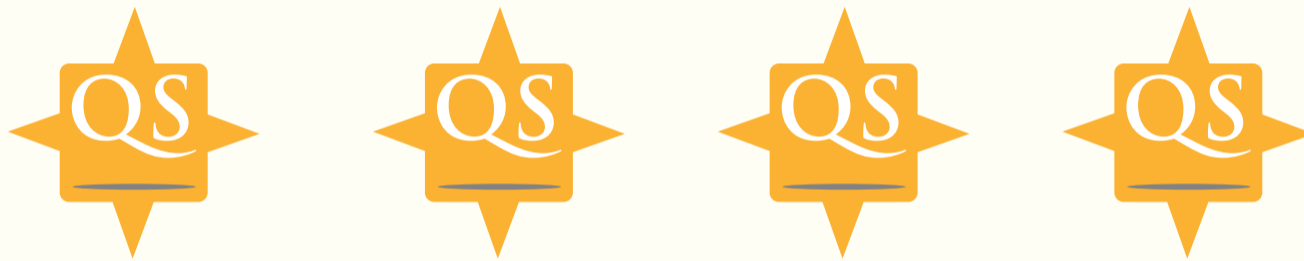
Motivational documentary was facilitated by Dr. Pooja Punyani. The Biopic “Beyond Rainbows” was shown on the quest and achievement of Sir C.V. Raman. His contributions in the field of physics, Mathematics, chemistry has been popular in scattering of light, the Raman effect, the Raman Nath theory, refraction, acoustics and sound. Takeaways from his strong personality were many and were discussed with students. Interaction was held with students regarding online and offline mode of teaching.





The NorthCap University

The QS Intelligence Unit has, through rigorous and independent data collection and analysis of performance metrics as set out in the QS Stars™ methodology, rated THE NORTHCAP UNIVERSITY as a Four Star institution.



The QS Stars™ rating system is operated by the QS Intelligence Unit, the independent compiler of the QS World University Rankings® since 2004. The system evaluates universities across a wide range of important performance indicators as set against pre-established international standards. By covering a broader range of criteria than any world ranking exercise, QS Stars™ shines a light on both the excellence and the diversity of the rated institution.

CATEGORY	STAR RATING
Teaching	★ ★ ★ ★ ★
Employability	★ ★ ★ ★ ★
Academic Development	★ ★ ★ ★ ★
Internationalization	★ ★ ★
Online Learning	★ ★ ★ ★ ★
Social Responsibility	★ ★ ★
Inclusiveness	★ ★ ★ ★ ★
Bachelor of Technology in Computer Science Engineering	★ ★ ★
Overall	★ ★ ★ ★



Ben Sowter - Head of QS Intelligence Unit



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INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)



CERTIFICATE

Institution Innovation Council (IIC) established at

The Northcap University, Gurgaon, GURUGRAM

had undertaken various activities prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up in campus during the IIC calendar year 2019-20.

Prof. Anil D. Sahasrabudhe
Chairman, AICTE

Sh. Amit Khare
Secretary, Department of Higher Education, MOE

Dr. Abhay Jere
CIO, MOE, Innovation Cell

Certificate No : 2017

Issued On : 2020-09-22